

*Handwritten:* Neck of the bottle is broken

*Handwritten:* 7

7530-00-222-3521  
FEDERAL SUPPLY SERVICE  
(GPO)



This Book belongs to:

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Dept. Zoological Research

National Zoo

Washington, D.C

2008

672-4781

P.O.S.

20753



1. May clear & cool leaf birds  
opening on canopy above & understory  
Saplings. - leaves long out on Tulip  
Trees.

7:00-1:00

I heard to top & ground  
white & blue track & green below  
upper parking lot. found heard 3  
WEL to SW - 1 it feed  
20 times from oak leaflet clusters -  
much by glang by 2-3 sideways pictures.

Jaw flouls of YRW - hd  
B+L Warbler, Juv & Ad ovenbirds &  
Louisiana Waterthrush.

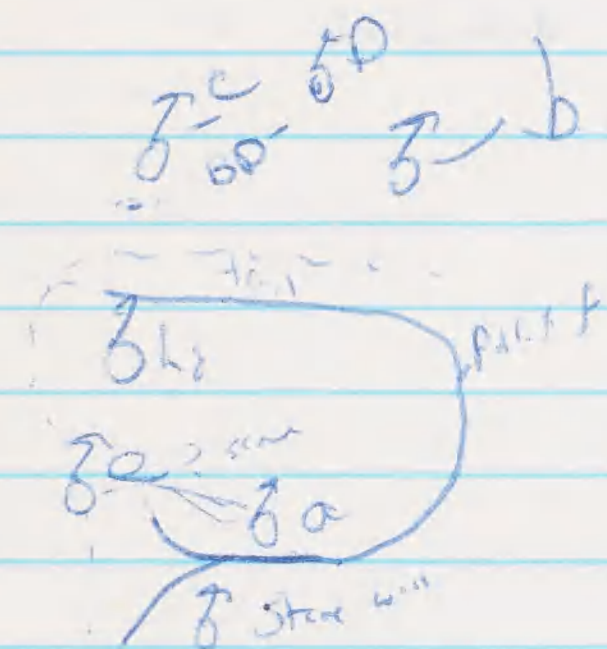


2 May Mostly sunny  
started at bottom of hill

at a stone well saw hd  $\delta$  WEW  
(saw a chere).

10 oak 16 glee (new leaves) ✓  
2 oak 17 glee  
3 oak 16 lean over  
1 3' dcl peak (instantaneous)

found  $\approx$  10 feet up  $\rightarrow$  30' up.



b  $\delta$  30-40 oak 16 gl x 3 ✓  
16 lean over x 2  
high probe bark at  
Snag x 1

c 30' cack 16 sl x 1 ✓  
16 lean x 2 ⊕

young clustered got small small  
oak leaves 31 long green pillars

6-10' & also low  
D. 16 gl x 3, bark peck, end of bark ✓  
probe got  
cricket ⊕

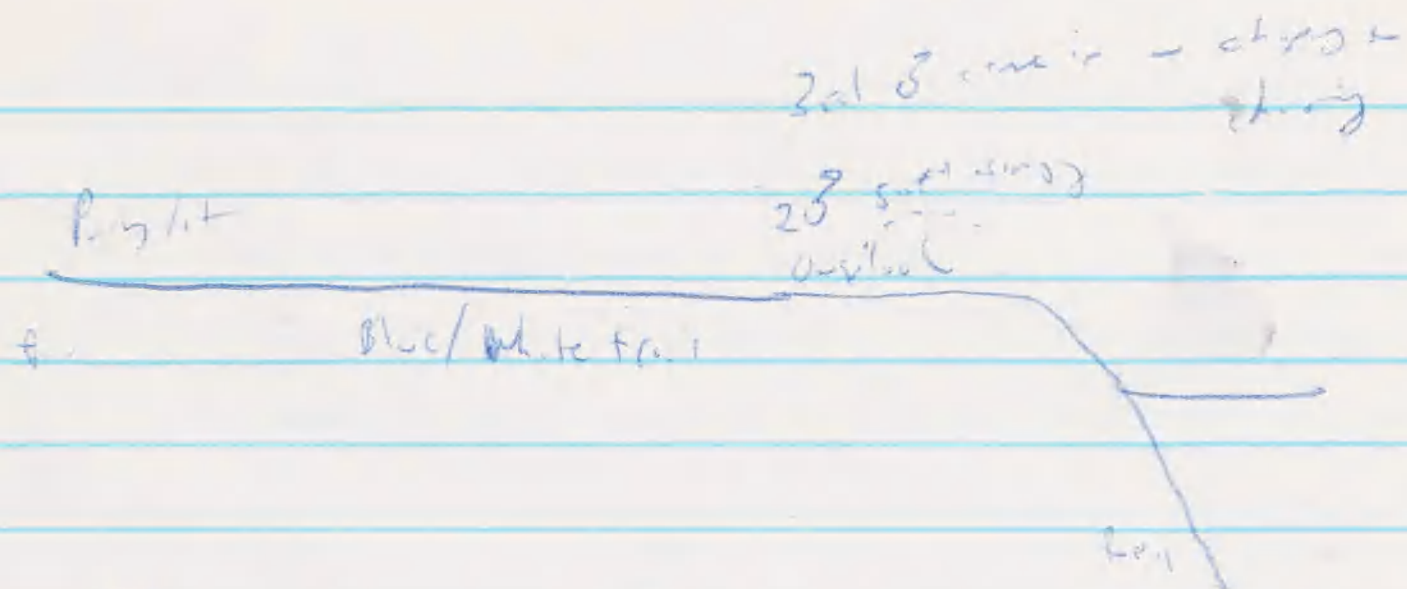
soft sing slow  
chasing

looks like pair falling in low scrub

1  $\delta$  - long oak last buttons x 2 ✓  
3' Peck last peck  
2  $\delta$  searching  
3 5' 16 gl in oak ✓

at Intersection Red trail  $\delta$  c 8 x 16 sl oak ✓  
4 min Red





♂ - prob into dried leaves on ground - ate  
 bark probe ✓ a q.  
 1st 1st x 2-3 termite

♂ 1st 1st 0.4 - then also near ground ✓  
 & on ground

My 6 live leaf below P/B lot

shrub

50

50

50

50

100%

50

50 50  
 100%

50

50

50

50

50

50

50

50

50

50

50

50

50

50 400 100%  
 50 100%

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50

50



Wed 23 3 PM

25/1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

0.9

1.0

50

50

50 200/1000

50

50

50

50

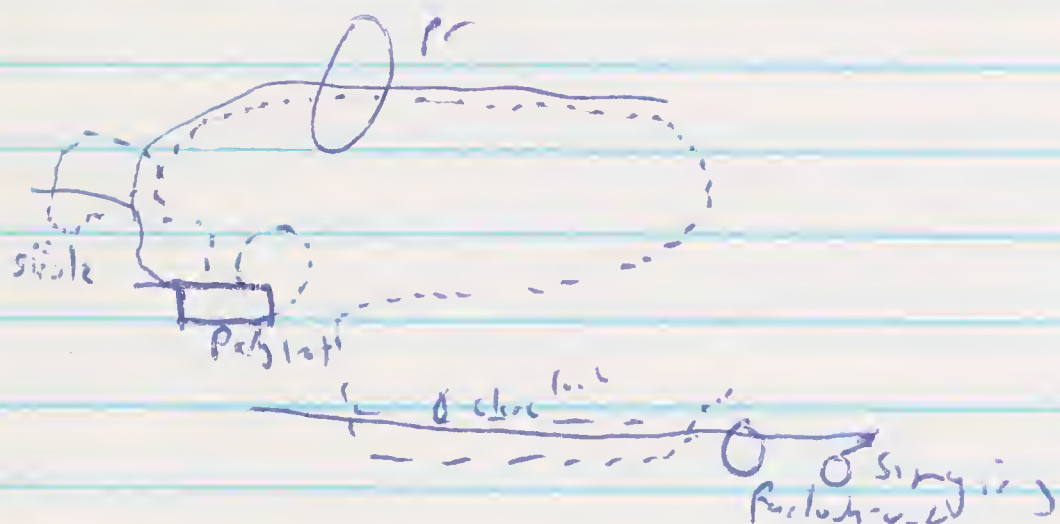
750

0/4



6 May 9-1300 Rainy & cloudy  
 Canopy oaks still only bearing to  
 last set - understory Maples & Oaks  
 with 2-3" leaflets.

I covered the following route



I encountered 2 birds tapping & a  
 many low through understory. ~~no~~ No  
 aggression so probably was a pair.  
 1st bird 2 found was beating big caterpillar.  
 Forss was both dead leaf & bark probing -  
 no foliage glean! 0-5'

Forss beat 5 Oak leaf clusters 3-4" ✓

dead leaf 1 Big Maple leaf cluster 6-7" ✓

1 Small cluster

2-3 branches

2nd bird 3-4 Oak leaf clusters ✓

Nothing gained - all probes (no hits -  
 & no successful  
 forms)

Some of the Oak leaves belonged  
 to understory shrubs & weren't particularly  
 curled. (dead but attacked)

Single on these trees 7 x Oak flower probes  
 35'

♂ at Look-out 10 x 16 glean near ✓  
 Oak leaf clusters 25' ✓

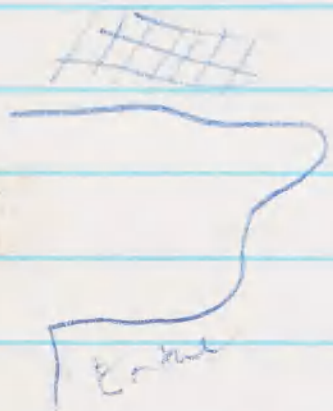
Collected 100 dead leaves below P-3 lit



8 May

930-1305

I checked low slope along Road



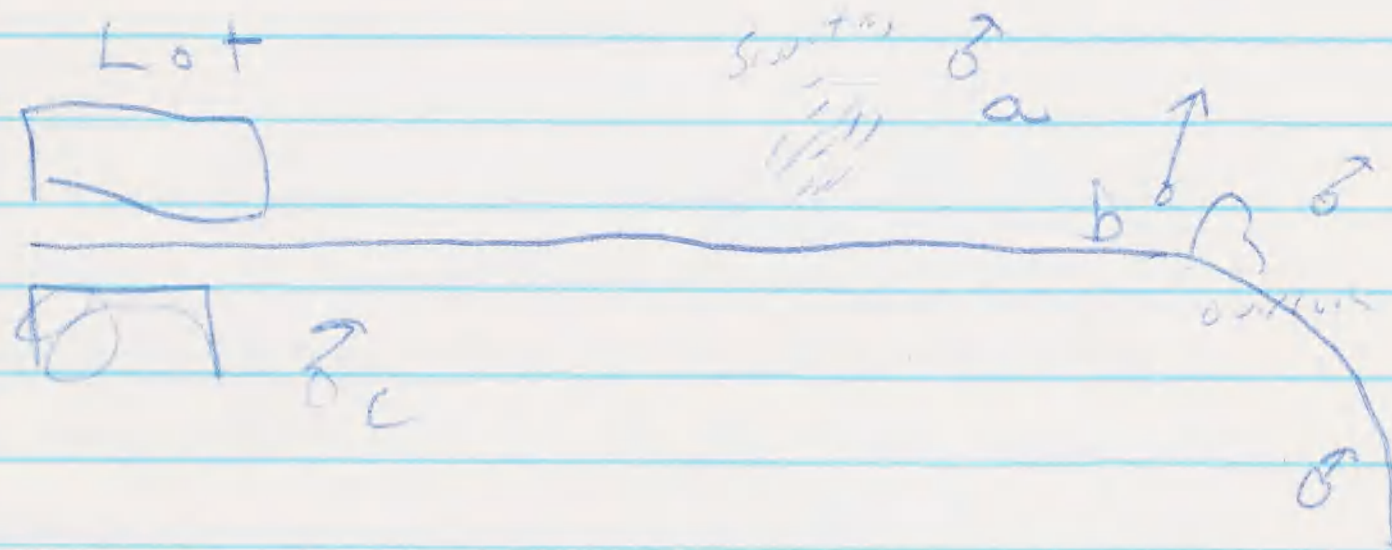
for an hour or so

may have had 1 ♂ WBLW

in the distance

I then went along B+W trail

I heard 4+ ♂.



Foraging

a. Dead Leaf Forage x 10 all oak + one  
Small ✓

long check - change - no  
success observed  
(Azalea/Lanceolata)

Maple (bgl) x 7      black glen x 3 ✓

b. Dead leaf probe x 1 (Level) ✓

also went into ~~the~~ ground near it  
but at 2 shrubs

c. bgl x 7 - Oak (very small tree) ✓

end of b, black probe x 3

↓  
underlying layer - grass + dead leaf  
probe x 3

Level 1 - Dead oak leaf check x 20 ✓  
success at 2 ⊕ ⊕  
clusters  
(hairs x 3) - the rest probes



Line 1000 census May 8

upper fly box

Fog

Lower 1

50	2mm large lb	50	3mm
50	3mm red/pink (black) + 2	50	black red/pink
50	2mm red/pink	50	lb
50	3 x 3-4mm black	50	
50	lit/pink lb	50	
50	3mm black red/pink	50	
50		50	
50	4mm fly lb	50	
50		50	
50		50	
50		50	
50	3 x 3mm black pink lb	50	
50	3mm lb	50	
50		50	
50		50	
50	3mm black pink lb	50	
50		50	
50	3 x 3mm lb black pink	50	
50	2 x 3-4mm black plus	50	
50	2 x 2mm black pink lb	50	

3mm

Lower 1

50	1 x 2mm black pink
50	
50	2 x 3mm lb black pink
50	
50	
50	
50	
50	3mm lb black pink
50	
50	black beetle red/pink
50	lb 3mm

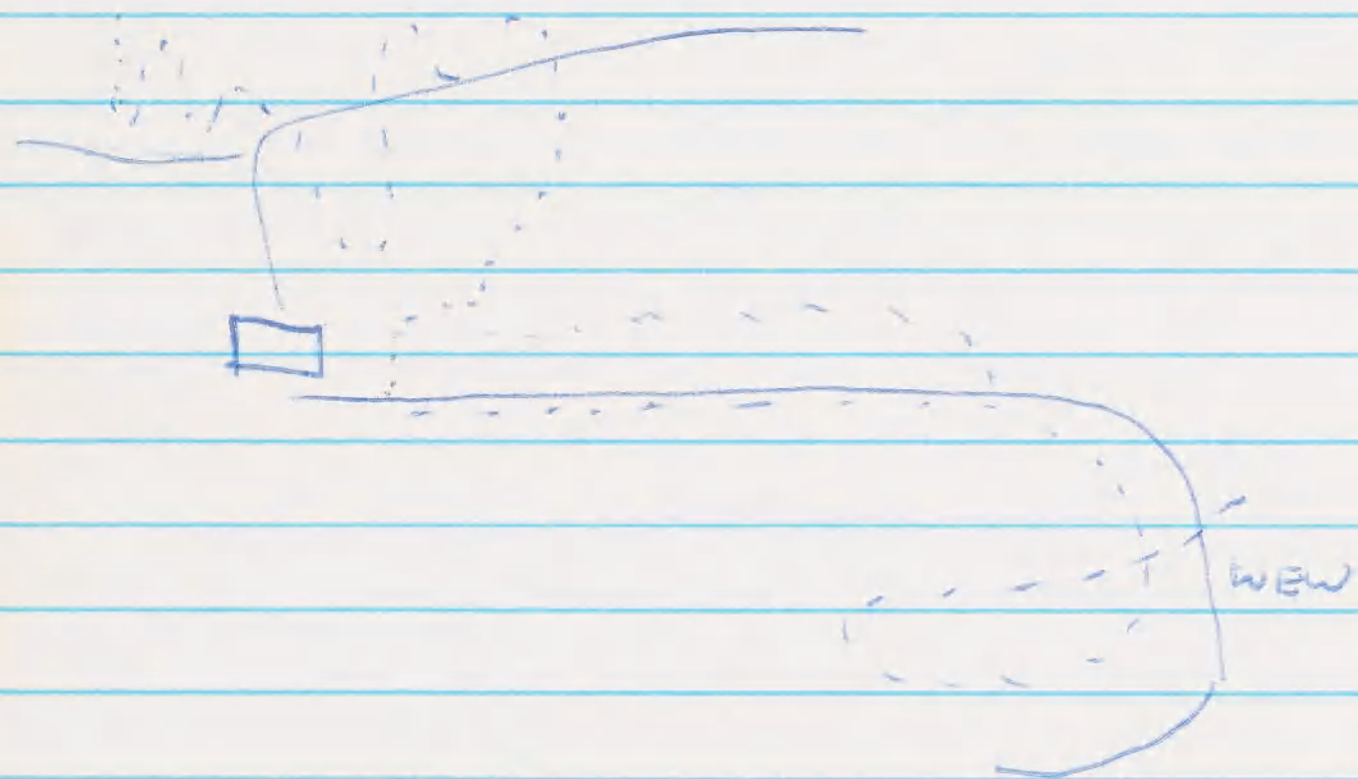


9 May

1030-1530

Overcast &  
windy

Canopy trees still have small leaves &  
with cold temperature & wind so  
the Mountain top felt wintry - also  
few birds singing a few migrants. I  
Saw only 2 WBL - although I  
covered large areas.



The stream was at the circle on the  
map.

WBL #1 sang a few times. Fed low  
in local on our near ground - poking into dead  
leaves 4-5 times. ✓

WBL #2 - 25' in oak - 10x10

branch probe &

thin fl - to squirrel

nest made of dead oak leaves

it forms two leaves on the

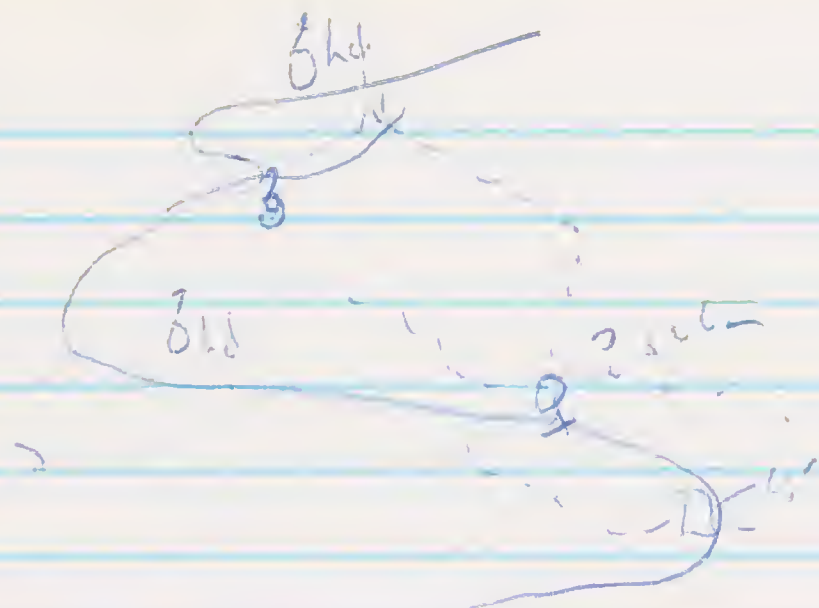
edge of the squirrel nest. (PL x10)

all  
gleans

-2  
hairs



Ay D

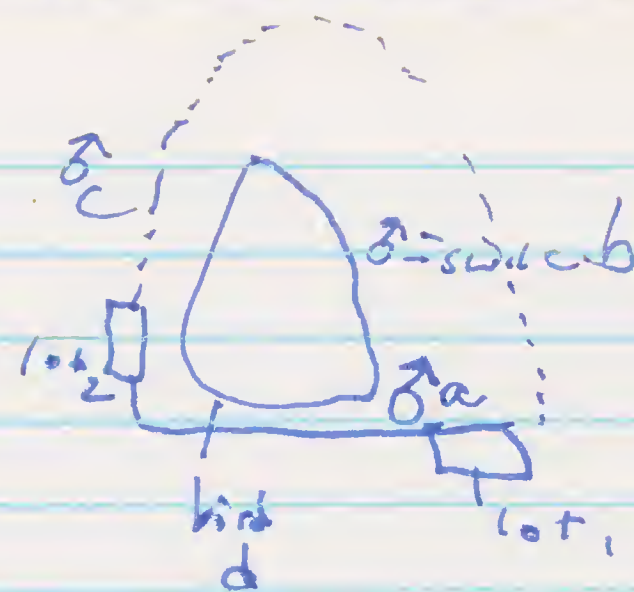


0 Watched for 5-10 min (e.g.) ✓  
+ 1 poly line in shrub.  
Height 20-30 2 (high) with many (10<sup>11</sup>)  
mostly blue, 10 cc pink leaves on the plant

I heard ground top of mtn +

hd or slow 4 LER - 3 wks

↑ זינגס



foraging on b c d

b - 16 g173 30' in 0.4 ✓

C 1b gl x 8 hcg x 2 in Dec ✓  
grabbled into last data work feet  
also bracketed peaks to denote  
general times + manipulated on  
green edge

16 gl & g - also problem into dense  
16 leaves & 1  
two pressed to, other  
leaves



May 5 (caves)

5 x 3mm spider

2 x 5mm spider

6 x 4mm

1 x 7mm

2.5 x 4mm Centipede (brownish)

+ 2 long Holarctic bees

1/10



2 x 3mm spider

4 x 4mm spider

1.5 cm thin centipede

0/11 prey items

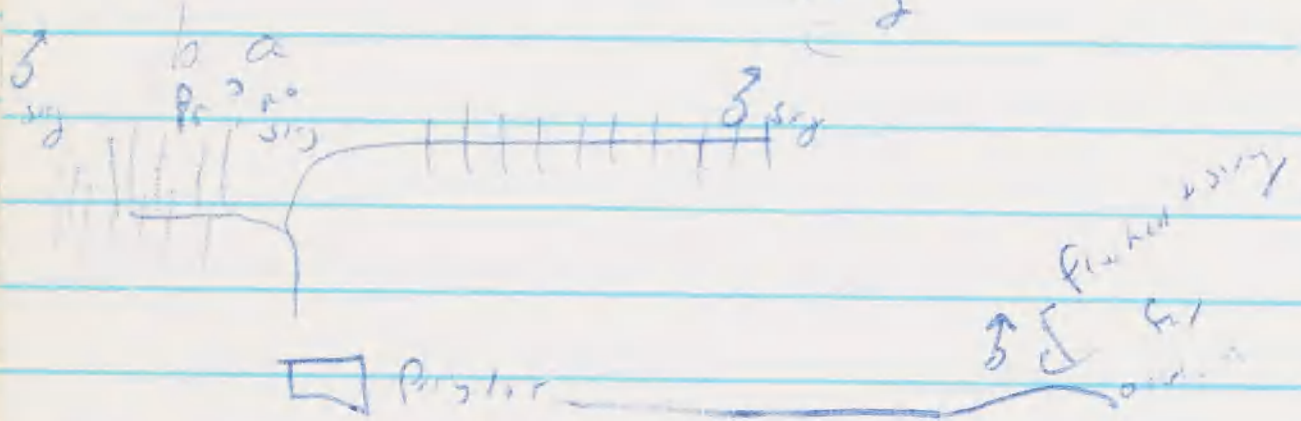
May 9 collection



May 11 9:00-1400

① Sunny, breezy up to 80's

checked ~~the~~ lower slopes



♂ 16 sl x 5 } series for diff clusters

25  
b)  $|h_2| \times 3$  deduct peak ( $2^2 + 1''$  over time)  
single loop

C♯ Hosten Oak

35' dropped to near ground in Laurels

$$\frac{1}{2} \text{ bulk probe on } 2m \text{ branes } \times \approx 10$$

↓ opinto (engly) 10 16g1 -

35 got pg from 5/10 int. customer checked

31 ind. to  
do

d - 3 on slope near the far lookout  
along white trail - 1 bag x 10 - probe  
under loose branch below



May 11 Live insect census

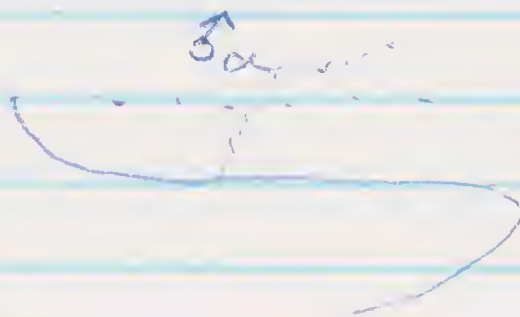
shrub	haunts
1 →	→
2 50	50
3 50 4mm green pillar	50
4 50 2mm long ib	50
5 50 1cm green pillar	50
6 50 4mm long ib	50
6 50 6mm green pillar	50 25 cm long
7 50	50
8 50 3mm green pillar	50
9 50 3mm green	50
10 50 2mm 1cm long	50
11 50 1cm long	50
12 50 2x 4mm long	50
13 50 5mm long	50
14 50	50
15 50 3mm long	50
16 50 6mm blue pillar	50
17 50 3mm long 2x 2mm long	50
18 50 6mm blue pillar	50
19 50 1cm blue pillar	50
20 50	50
21 50	50
22 50	50
23 50 6mm blue pillar	50
24 50 1cm with 5mm	50
25 50 1cm pillar in collection	50

5/13

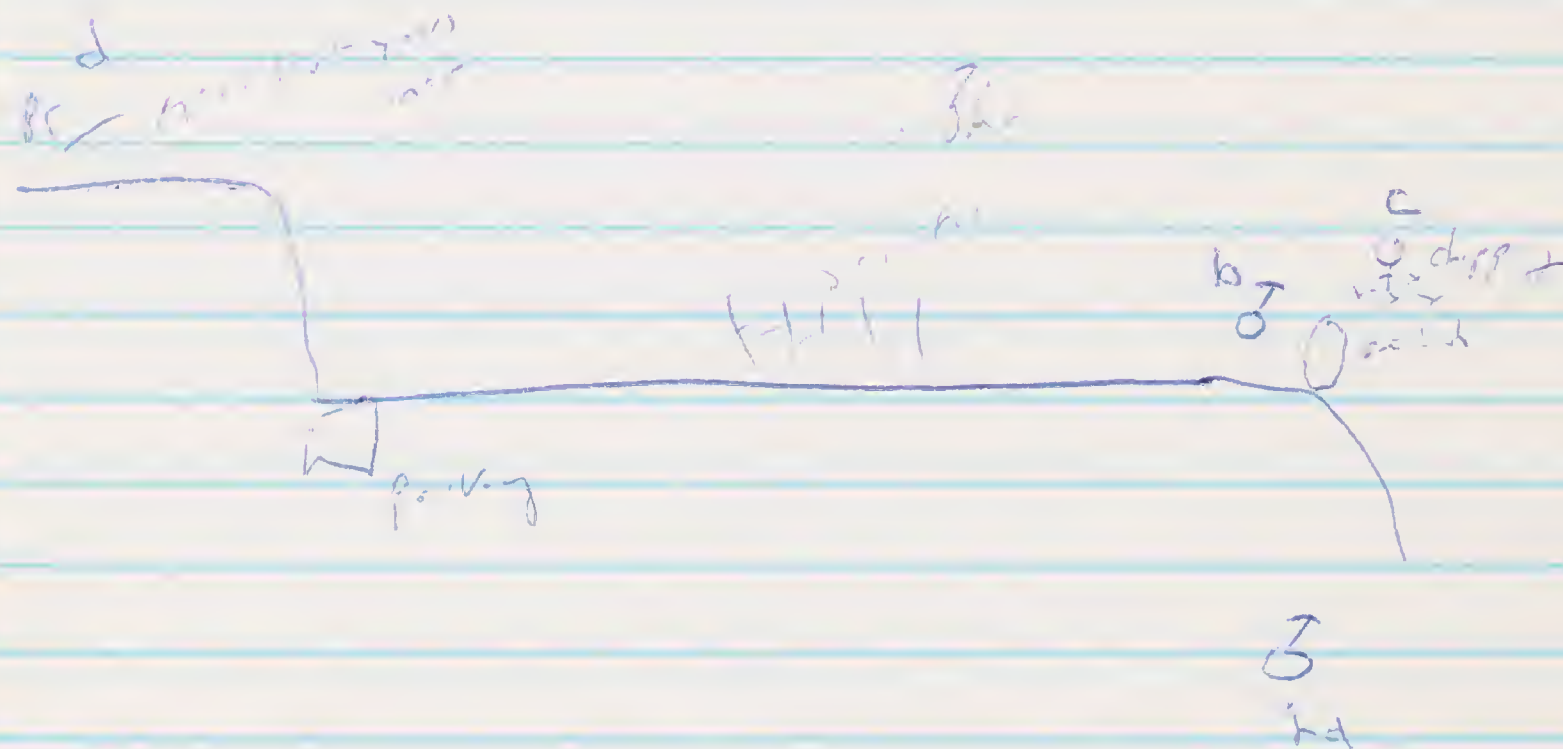
May 13 830-1230

Beautiful Day

lower slope



a only 1 ♂ seen & hd - it poked  
cock with us 2:10 25' ✓



b - 1 ♂/1 ♀, 1 ♂/2 ♀, 1 ♂/1 ♀ (1 ♂/1 ♀)  
sp. 2) 20' ✓

c 1 ♂/2 ♀, 1 ♂/2 ♀, 1 ♂/2 ♀ - several pollen ✓  
4

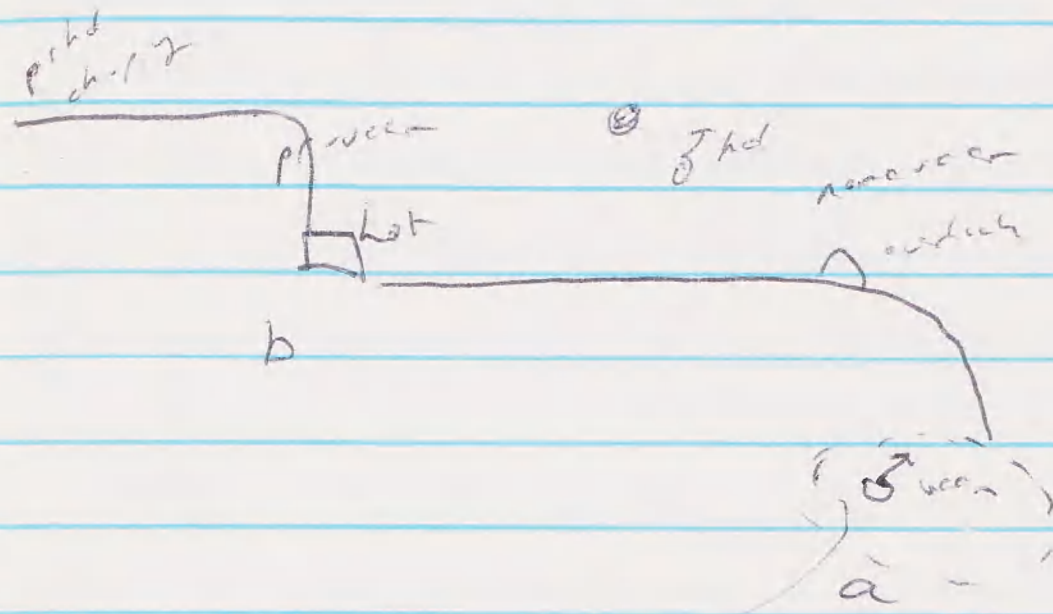


probably ♀  
♂ bark probe x 5 10'-15' ✓

♀ under overlook was eating like  
crazy & chipping, as if disturbed ✓

♂ along Horse Trail ♂ gave song song  
I had both birds chipping a lot  
& falling in & out

May 14 830-1430 mostly  
cold, windy + overcast.



a bird mainly in understory - I  
saw it foraging on or near ground  
often hanging about probing into dead leaves ✓  
in ground - bark probe x 2 -  
♂ gave both of small leafed plants  
(petioles) + long once - (set caterpillar)  
3-4 went to low crown 1st x 5  
gribbed a lot in  
sub-foliage

b. watched ♂RT + in for 40' - probably two  
birds low in laurel understory  
birds moved rapidly + dropped  
constantly - occasionally chipping.  
The bird picked or probed dead leaves ✓  
20-30 times (no buzz) - it scratched +  
squeaked into one + set spider, gribbed  
another spider - 5 times



all oak leaves but some small leaves  
 it plucked dead curled leaves on ground.  
 it probed bark on log ~~and~~ low branches  
 5-10 times. - Oak lb gl x 2-3 (psid  
 caterpillar from roll). - peak + periodic  
 holes = lot.

15 May 1:20 pm Horse Tail Windy + PC

(H) (L) (C) shrub

Leaf

1 50- 3mm heap lb 2mm x 2' h

2 50 2 x 2mm d, h, d lb

3 50 3 x 3mm heap lb

4 50 3mm heap lb

5 50 3mm heap lb 2 x 2mm d, h, d lb

6 50 12 x 3mm d, h, d lb

7 50 6mm d, h, d, h, d lb 2mm beetle lb

2 x 3mm  
d, h, d lb

8 50 2 x 2mm d, h, d lb

9 50 4 x 3mm heap (2 h, 2 lb) 6mm d, h, d, h, d lb

10 50 2 x 3mm heap lb

11 50

12 50 5 x 3mm d, h, d lb 20 x 2mm d, h, d

13 50

14 50

15 50 2 x 2mm d, h, d lb

16 50

17 50 3 x 3mm heap lb

18 50 5 d, h, d lb

19 50

20 50

21 50 3 x 3mm heap lb

22 50

23 50

24 50

25 50



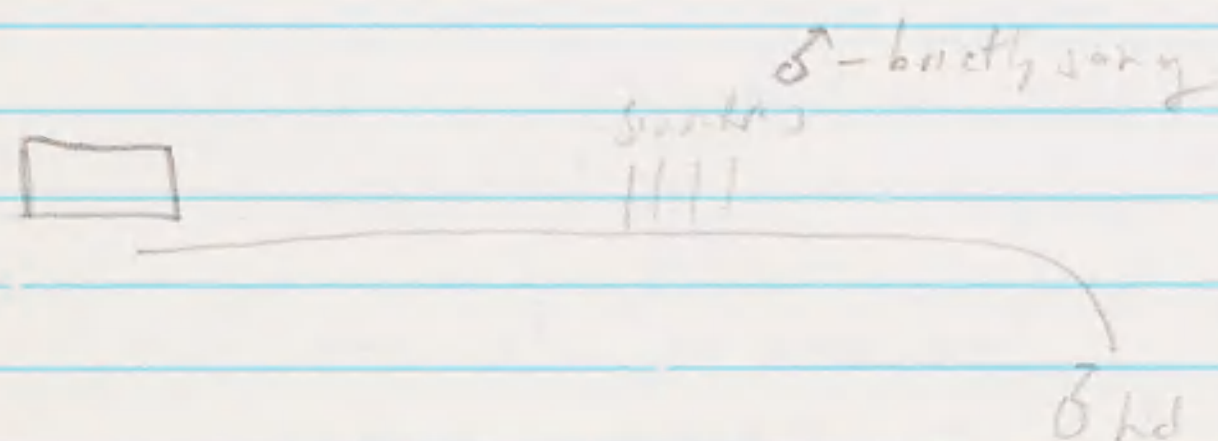
16 May 930-200

Windy & very cold

I covered slope below

Blue trail, the Parking Lot &  
the Horse Trail I had

2 WEW song & saw none



17 May 930-1330

Windy & cold

I covered slope at mtn - all

ground mtn - I had no

WEW song

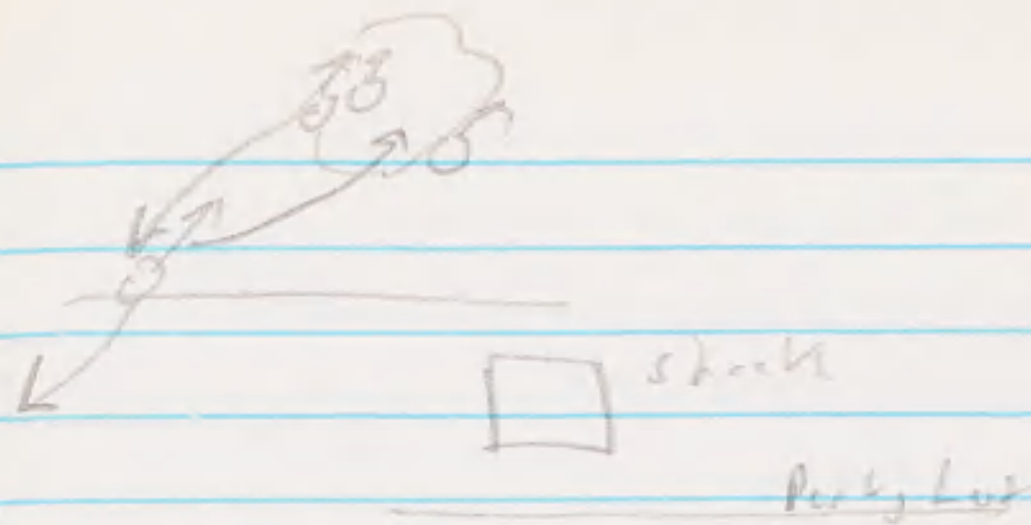
near parking lot I saw 2

♂♂ chuk - one gave flight song -

a both chirped - 2nd

bird sang briefly after lot direct

flew back





Level 5/15

1 50

2 50

3 50

4 50

5 50

6 50

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Dead leaves

May 9 Insect sample 3

2cm moth (brown)

2 x 3mm spider

1 x 6mm spider

2/4

May 10?

4mm spider

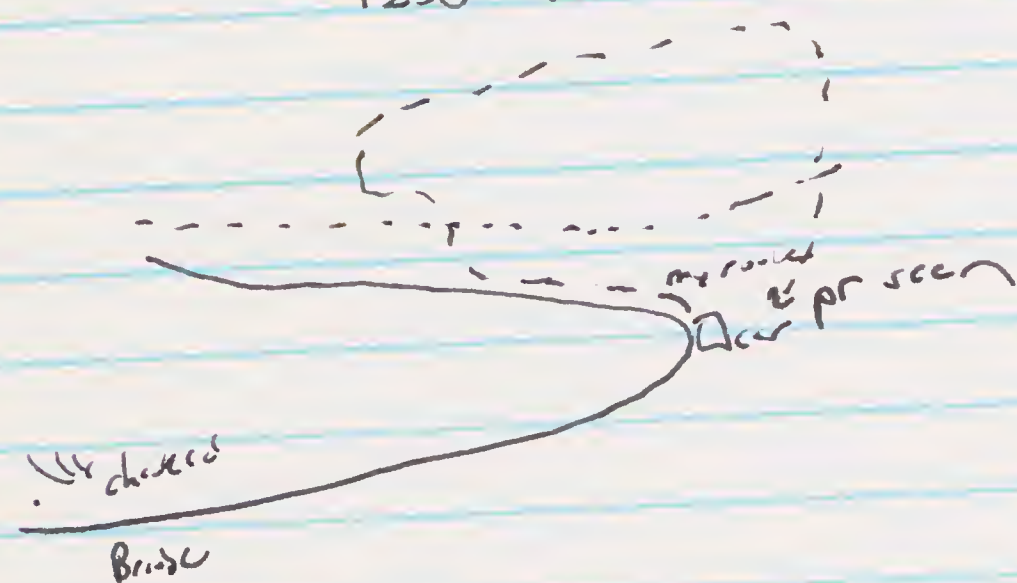
5mm spider

4mm spider

0/3



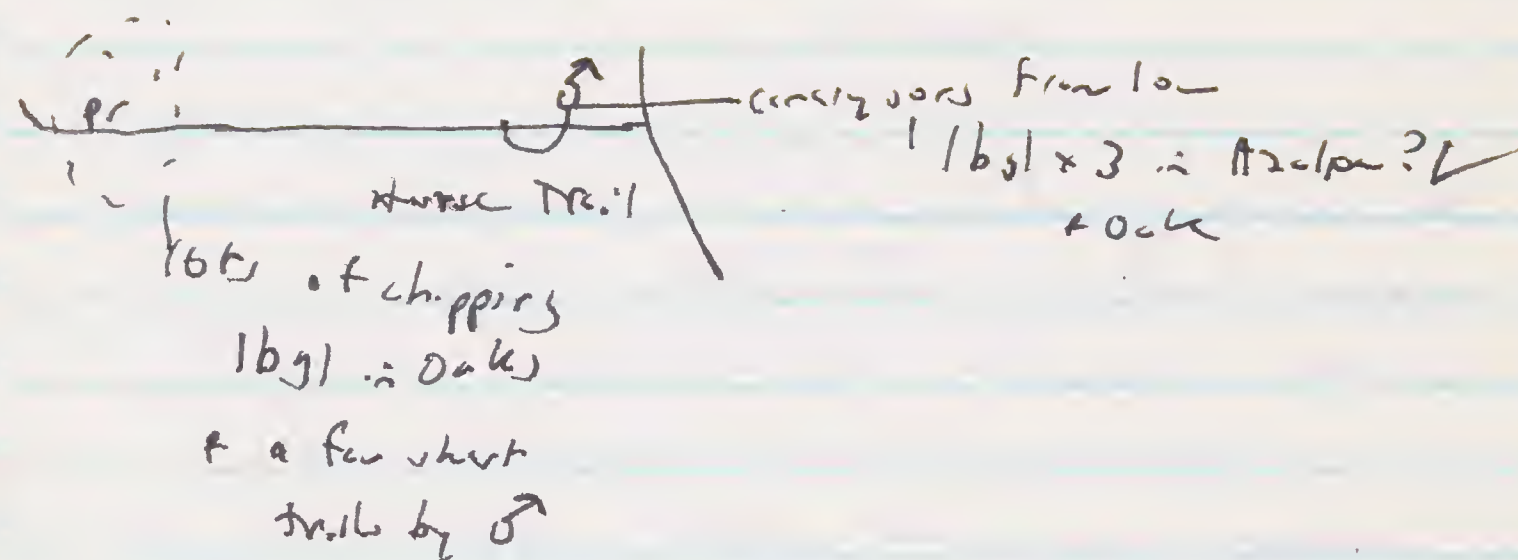
17 May Sunny moderate, light wind.  
1230 - 530



Pair chipping a lot. 1 first  
flashed bird from shrub - 2-3  
One came in in oak canopy -  
I saw bird in canopy ~ 40  
minutes. but no indication of nest.

30 lb glen oak, 2 lb less (curly) ✓  
5 - bark probe (Oak branch)  
5 lb glen Azalea > several pollens  
hopped on ground briefly

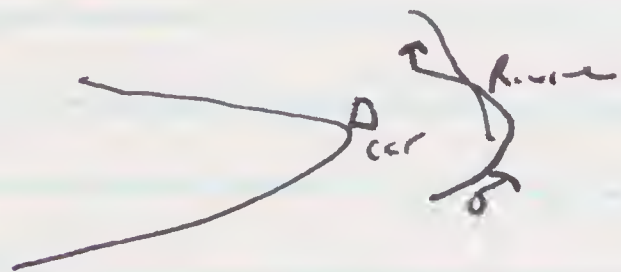
Then!





18 May Overcast - moderate - no wind

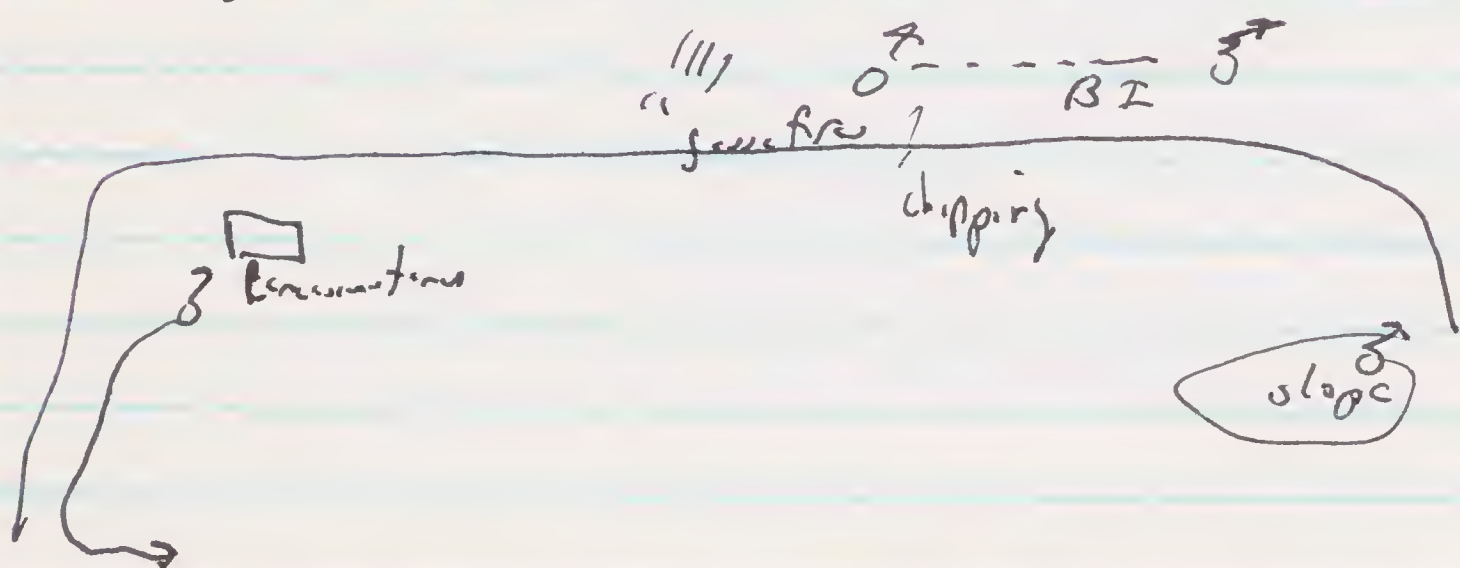
I checked first territory along road & found ♂ (strict song in oak canopy) - 20 x 16 glen, 25' ✓  
 2 x 16 hrs (later) - picked at damage - got several pillars also ✓  
 bulk probe x 5



no ♀ seen

checked along white trail -

at concession stand ♂ singing 20' ✓  
 Oak 16 glen x 20 hrs x 3  
 Shrub 16 glen x 10 - hopped on ground brush  
 hanging on line curled left ♂ h-d



♂ on far slope along white trail  
 was singing persistently - from low  
 in understory - oak 16 sl x 3 (15') ✓  
 heard nothing (1) - understory

I checked slope between overlook &  
 down in + I heard song come  
 out chirping & fly towards overlook  
 where I saw a chick (strict song)  
 later I heard more chirping on slope  
~~down~~



May 20 330-200

Warm + muggy - light breeze

stopped at territory 1 - on  
road up + scanned slope

saw ♂ + ♀ moving through

Oak canopy - ♂ occasionally gave 25'

short song + ♀ chirped loudly 35'

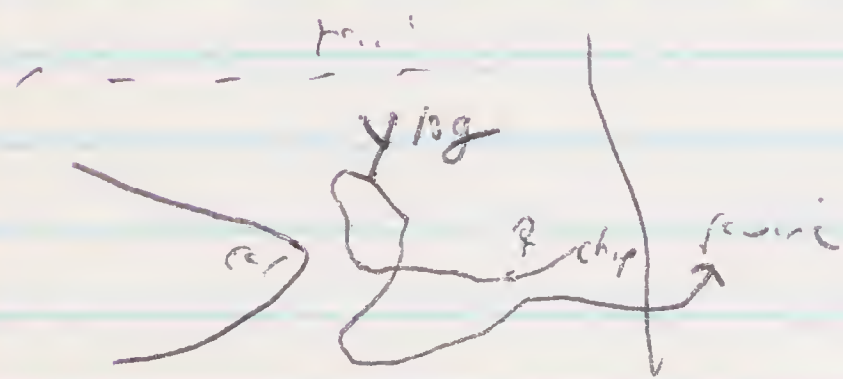
& a lot - both birds fully engaged.

lot

♀ - 20 + 16 gl, 2 on last and heavy  
+ 16 lphg x 2 - - - - ✓

♂ 10 (hst) - at oak ✓

couldn't locate activity



lots at BBW today

checked out slope below Horse trail -

heard stereotyped chatter at BTW Birch

Display - at far end (where Wm

I had pr on May 14) - ♀ came

up chirping, followed by ♂ - very

loud & persistent - so I checked -

within 5 minutes ♀ got on

nest - under a small log

3 warbler + 2 (w-bird) eggs

found included 6 gl + 1, pre needed ✓

branch probe x 2, 1st curl ~~sh~~ they x 1

Dead leaf poke (small) x 1 - 101

I went along slope below Blue trail -

I saw a Scoup under Laurel tree

had a few terribles - insect nest? -

its along shot, it had male

song, sitting in area.

I had 2nd ♂ sing & nearby another

bird chirped loudly - I saw it

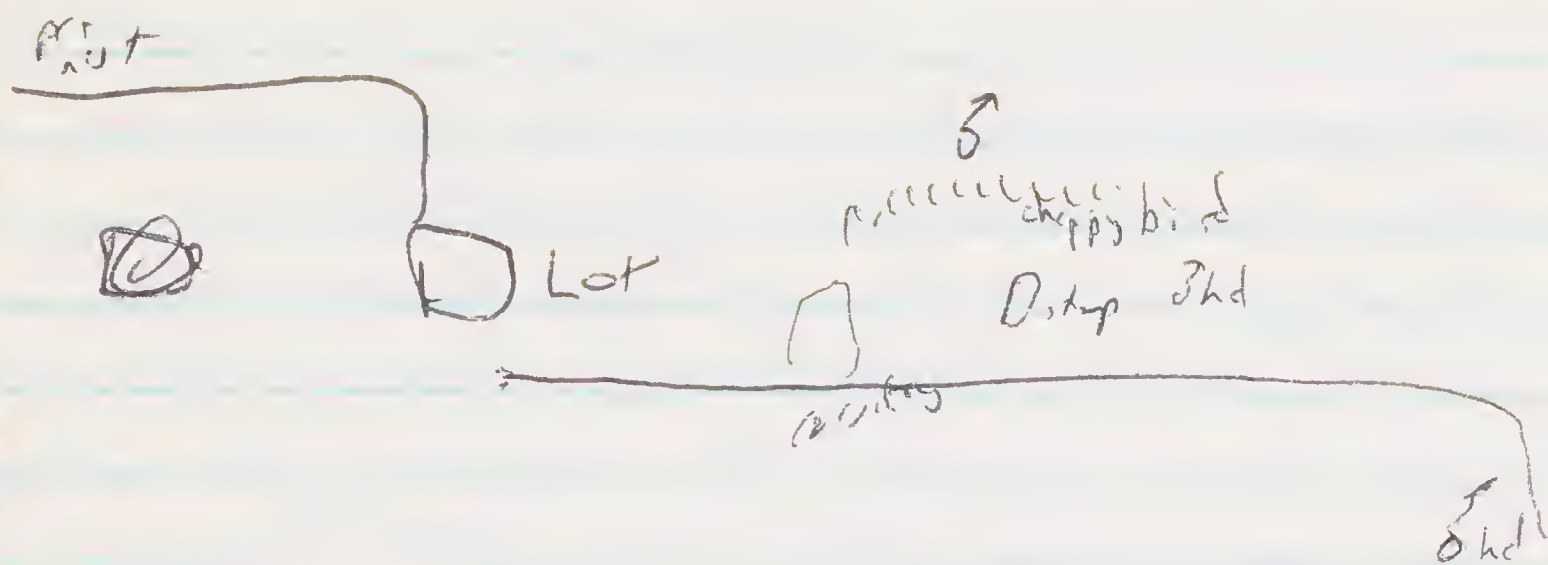
near ground in shrub hang on clear

last - it continued to chirp

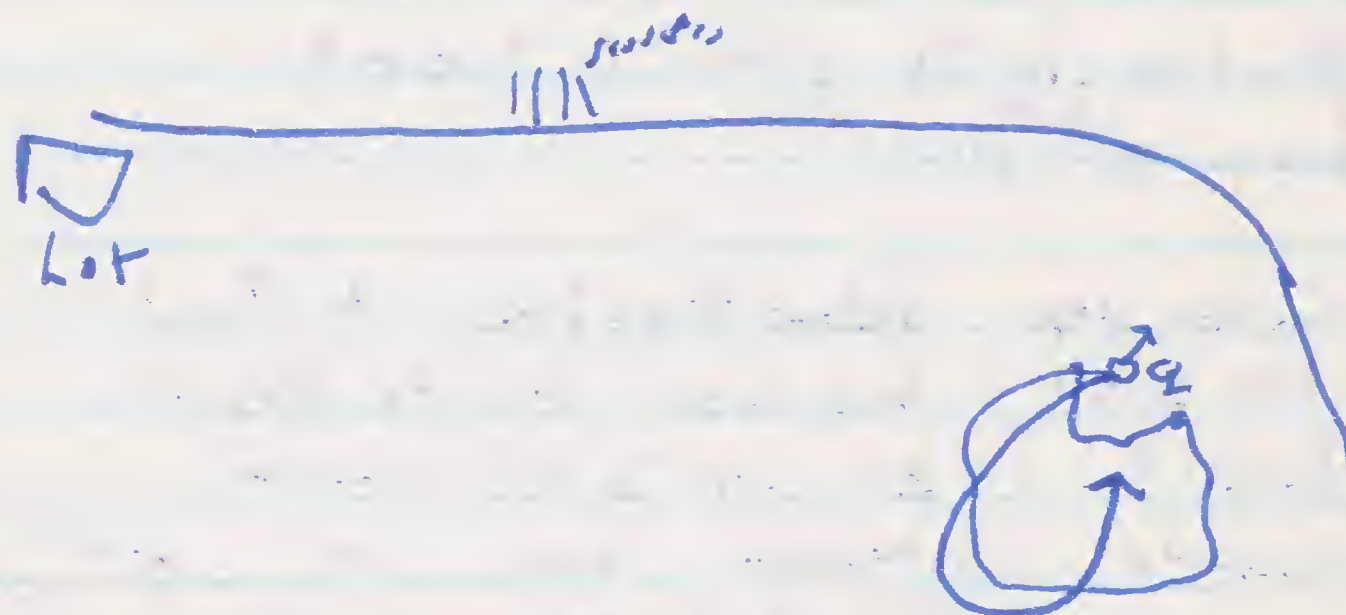
but moved away - bird on

far slope was heard singing





May 21 9:30 - 4:30 sunny calm high 70-80's  
3a



♂ a singing - dropped 1c to ground to  
feed - 16glean blueberries c"  
x 5 - 6c 16g x 5 h x 2  
+ 1c 16g for 16g x 3

♂ b - saw pr on this slope for 1hr

♂ singing - ♀ came in + ♂ following

♂ ♀ (occasional flight, one drop)

♀ usually low to ground droppings & 10ft -

covered large area - no evidence of  
hb or anything else

♂ lateral (Alaska) no (min's bag) ✓

♂ 16glean x 5 slow (not 16g)

♂ 16glean x 5

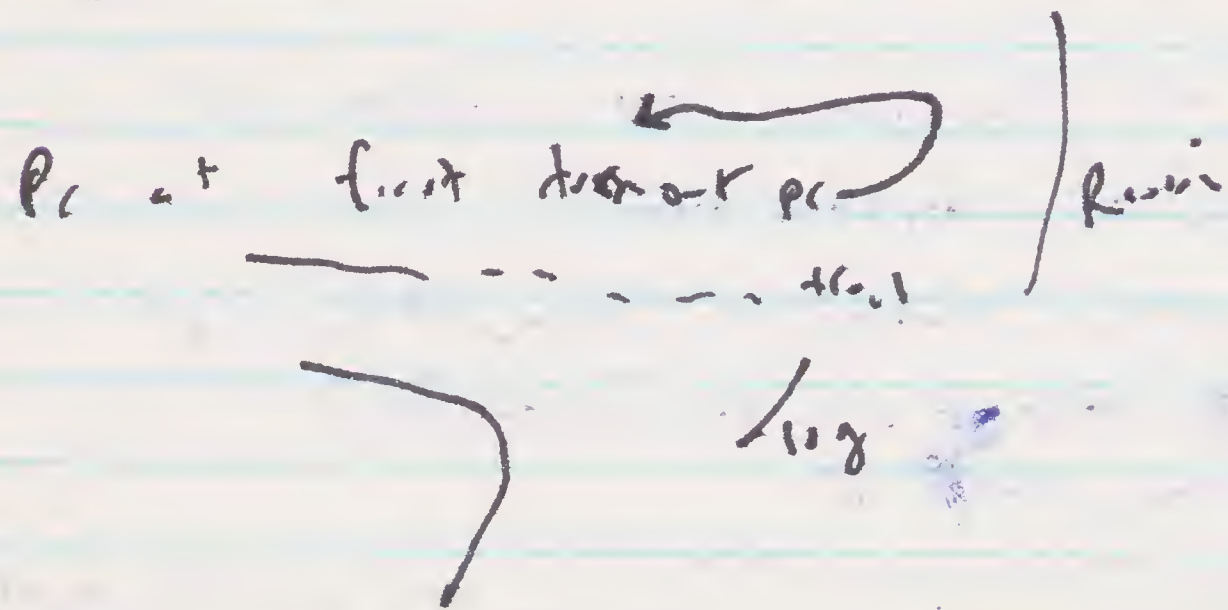
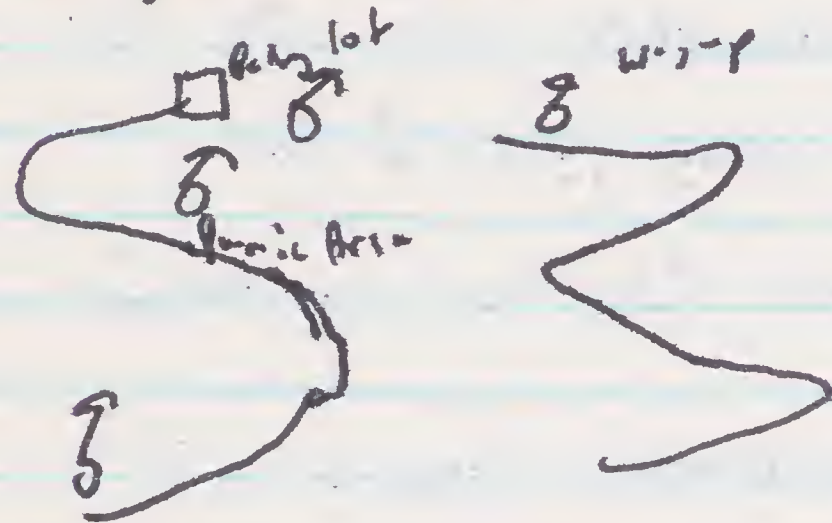
♀ drink on ground slow x 3  
♂ 16glean x 5 (got 2b on 16g) →



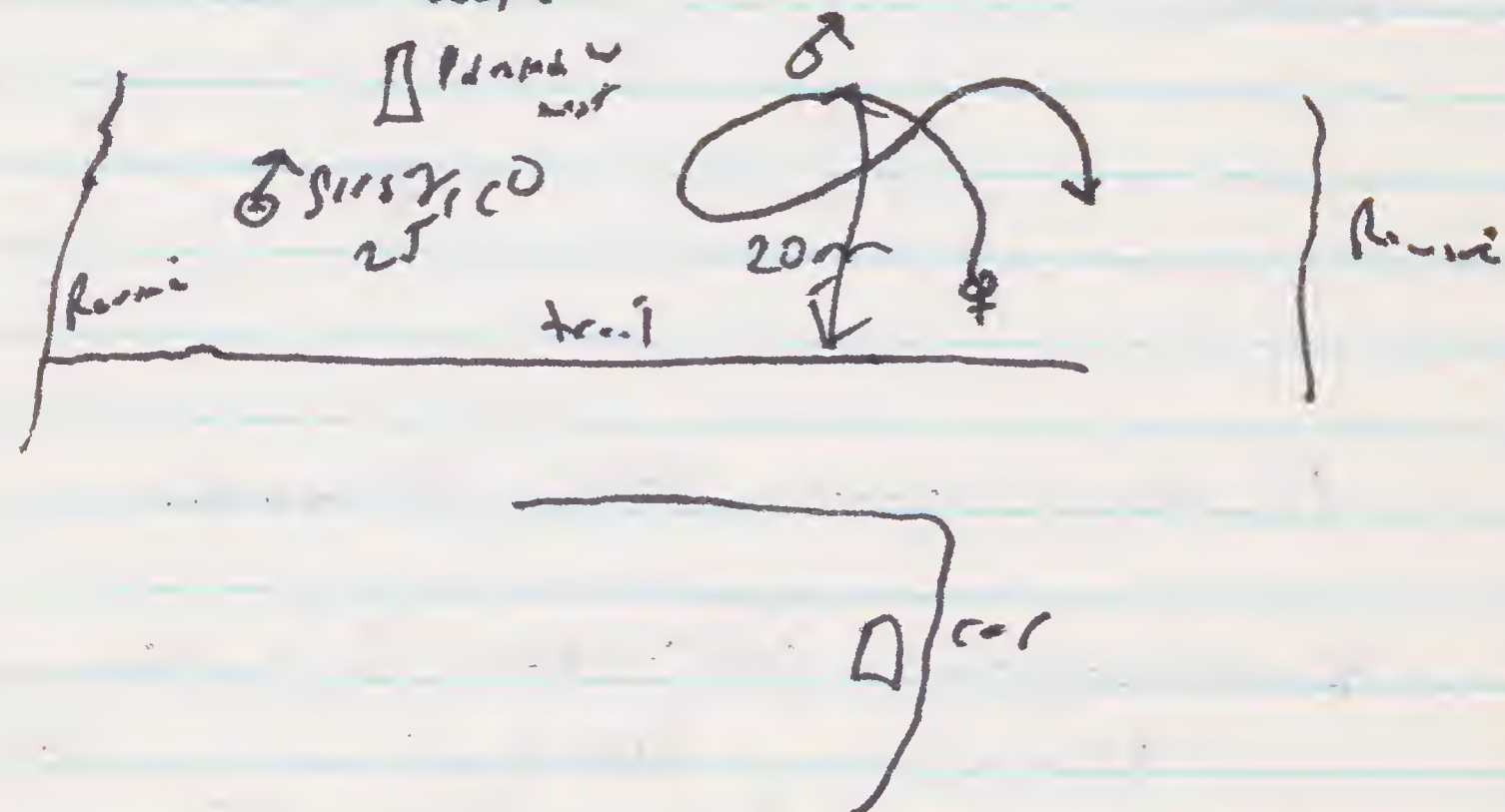
Oak cluster in Oak (20') <sup>hang</sup> green ①  
 Blueberry leafy green x 1  
 bunch <sup>leafy</sup> green probe x 1

checked slope below Horse Trail + found  
 no birds - but nest located May 20  
 had 5 WEL not 3 + 2 (sub. do!).  
 Went to 1st turnout area &  
 saw pr (♂?) 15' blueberry <sup>grabbed</sup> <sup>1st trail</sup> x 2  
 ♀ near ground ②

♂ was 16' away (glan x 15 hang x 5) - ③  
 On way down saw 7 kb several ♂  
 singing in new areas!



May 22 8:00-  
 First turnout!



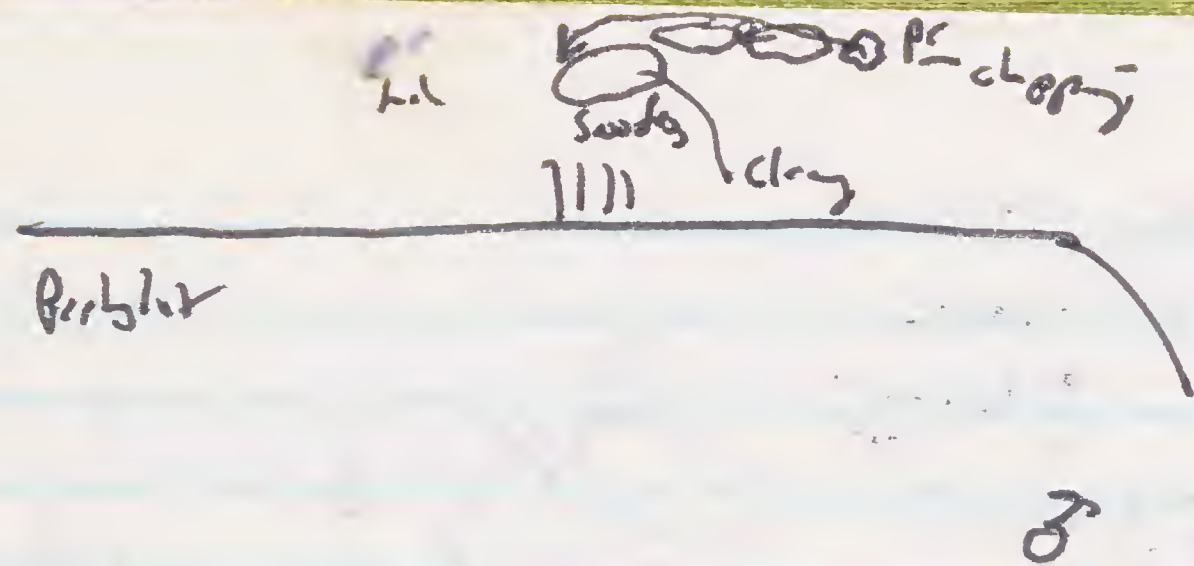
watched for 40 minutes

♀ was on or near ground + nearby  
 Dead Oak leaf Eucalyptus  
 (DL green x 25, DL 1st, x 10) ✓  
 success at 1 lot (multiple)

hang at 1st and 22 (got puller culture)  
 1st glan (10) - 1b glan blueberry x 5 ✓  
 1b on ground to pick at several  
 feed leaves.

♂ was 15' in S. 1st  
 followed ♀ briefly





Pr seen in context for 40 minutes

♀ near ground - <sup>pod</sup> oak-rotator gl x 20  
0-1' hang x 5  
blackberry 16 gl x 5 (✓)

♂ 15' (c.o) 16 gl x 5  
lateral h. x 2 (+) (✓)

♂ song - short song (✓)

♂ H11 10 lateral h. x 10 (8++)  
10 lateral gl x 5  
Blackberry lateral h. x 2  
probe x 2  
(++)

♂ singing - inside h.  
♀ once  
y. redback  
lateral

May 24 9:00-400

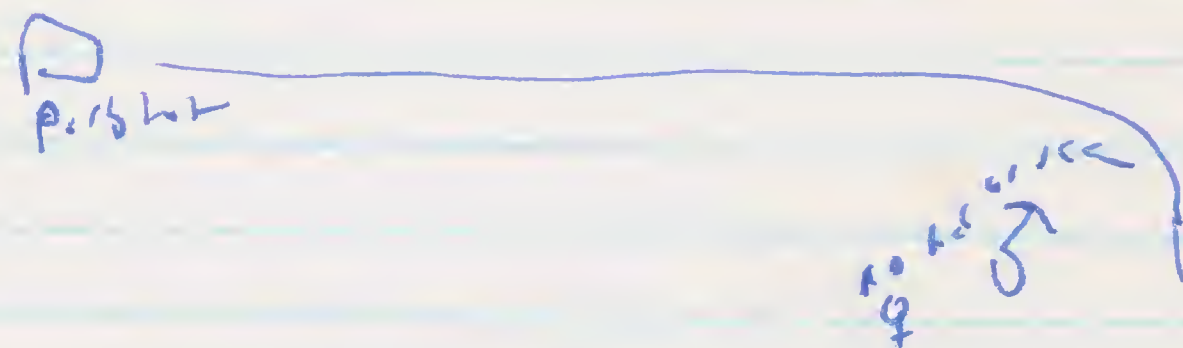
I checked lower slope for 3h,  
chipping



fr-chipping ✓

♀ probe flower br. to at 12:00 x 5  
lateral hang x 3 + ✓

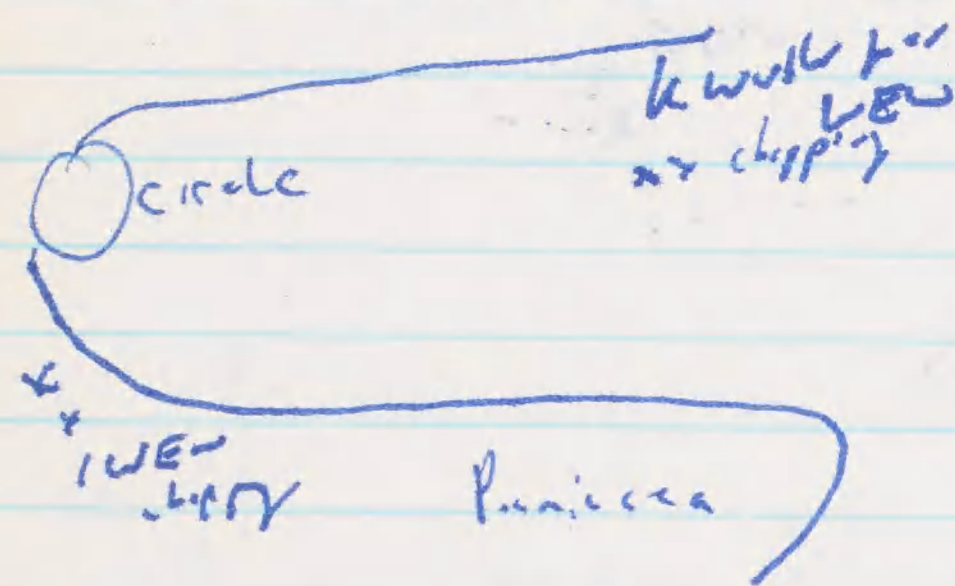
I checked slopes; - saw ♂ 16 gl x 5  
h. + lateral x 10  
20' ✓



checked slope below picnic ground  
a lot some chipping



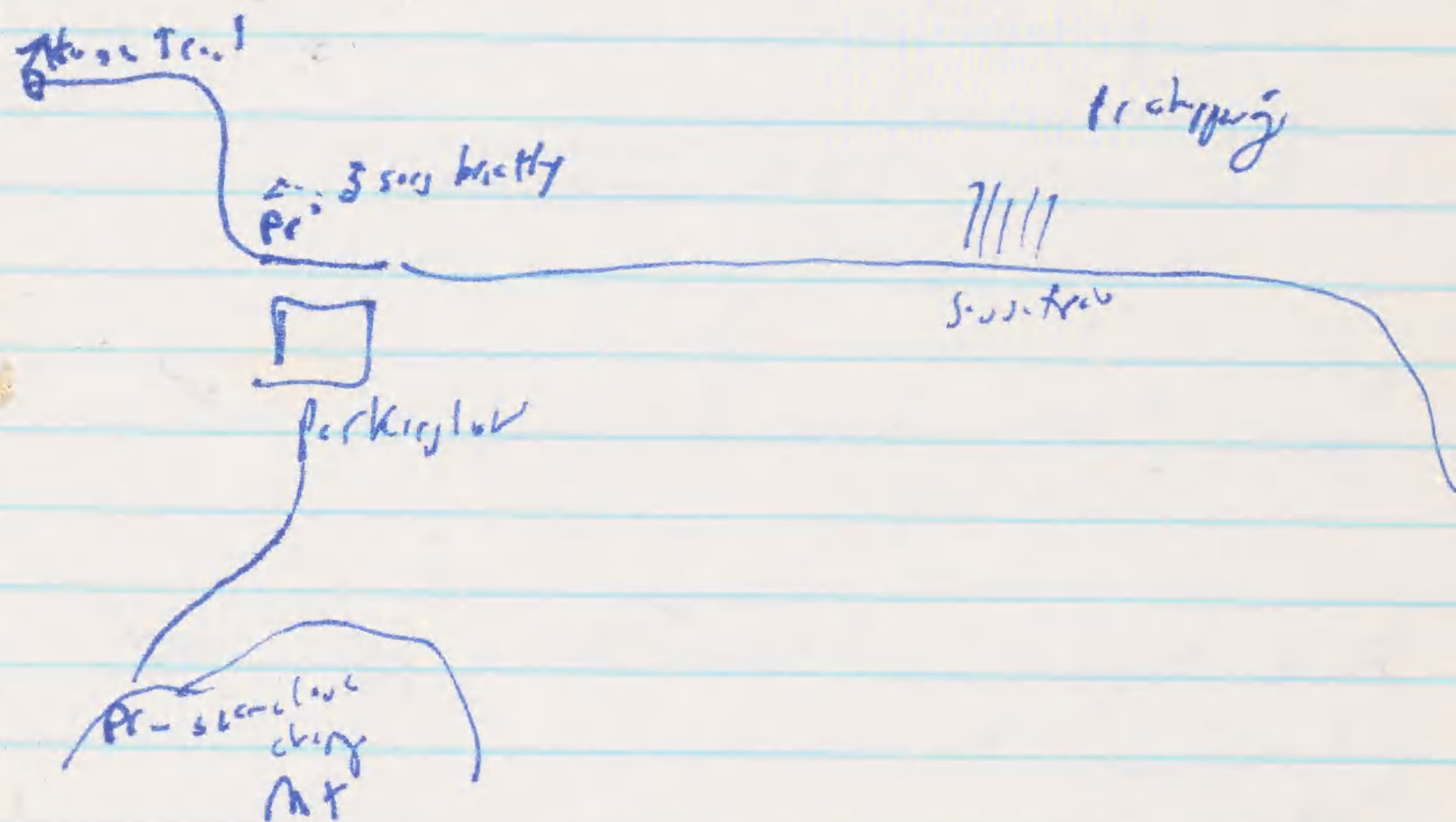
also chippy near parking circle



May 25 700 -

Pr<sub>1</sub> had chipping ♂ song briefly

Pr<sub>2</sub> ♀? Deconstruct probe x ♂ t'  
 true int lat hang x 3 ++ ✓  
 probe + gap c order bird at oak bench



I checked lower slope below  
 parking lot + found ♂ singing -  
 + ♀ on nest work T egg still



26 May

With Liene + Friend  
Sunny warm - windy

1.  $\delta$   
w/gleen 20'  
DL peak (5'0"ch)  
py over live leaf  
live leaf stem (2 1/2" catwalk)  
leaf curl probe

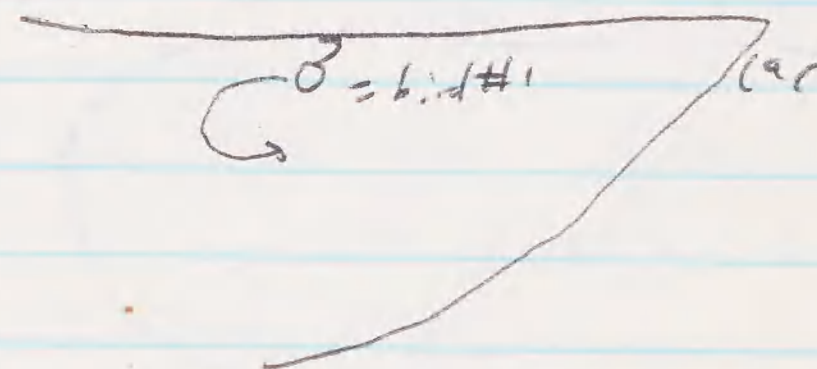
2.  $\delta$   
probe Arden flower branch 10' ✓  
leaf curl probe

3 Black cherry leaf gleen + 2 15' ✓  
w/gleen  
dead leaf (1" probe)

4  $\delta$  long leaf curl (+) 16gl 20' ✓  
Dark gleen on trunk by branch

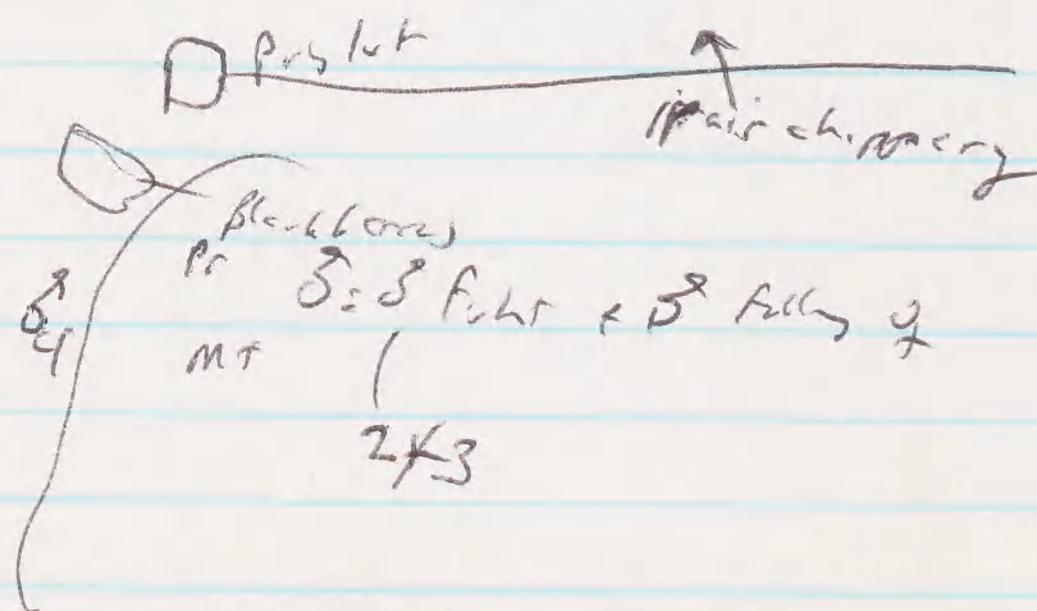
5  $\delta$  Ph gl x 8 12 hery x 1 bark probe x 1 0-2 ✓  
6  $\delta$  (folley  $\delta$ ) around 16gl x 3 ✓  
16 hery x 1 ✓

check lower slope in morning



upper slope in Afternoon

Pr -  $\delta$  guarding  $\delta$   
J + 6

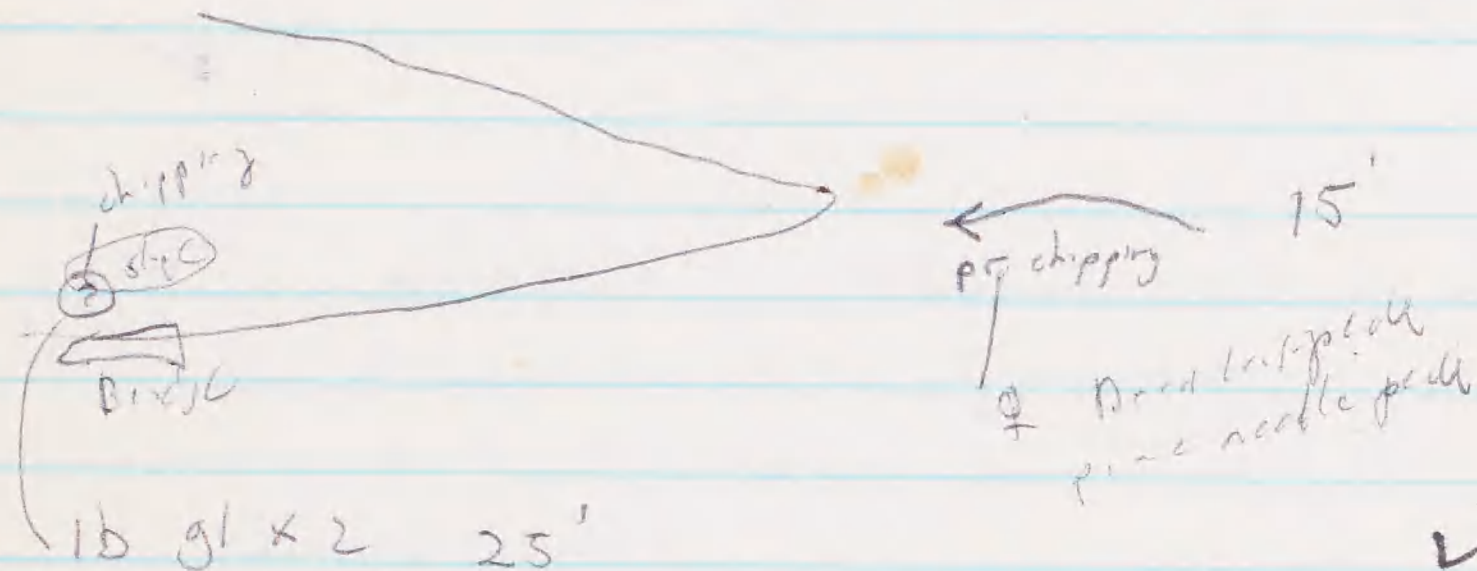




With Line

27 May Overcast early  
morning drizzle - 70s

745-900 - lower slope

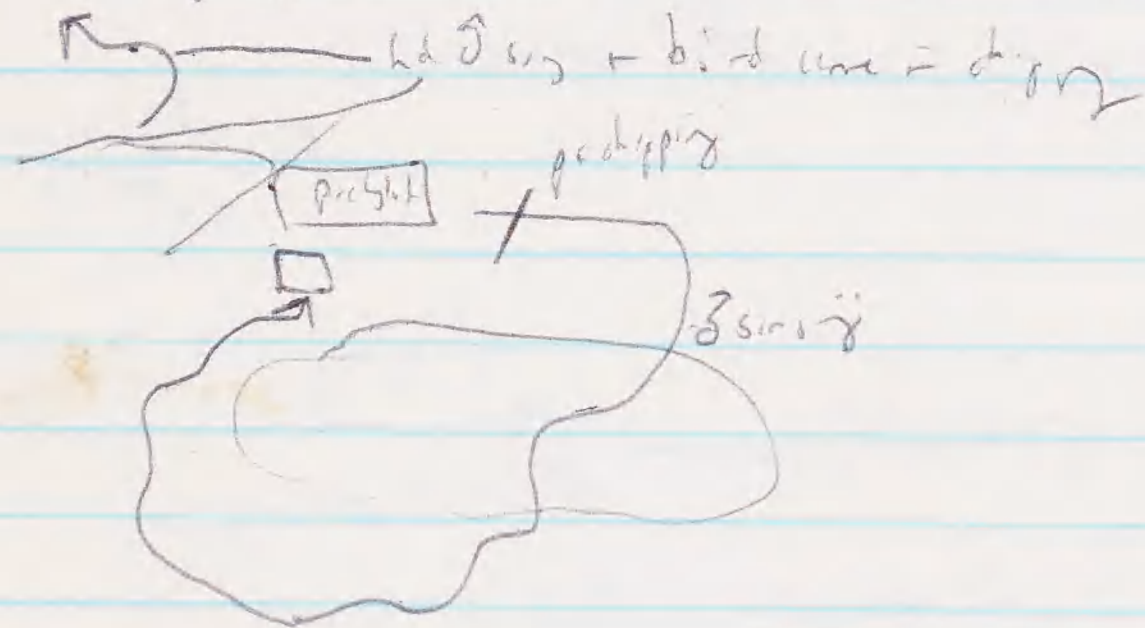


1b gl x 2 25'

Maple

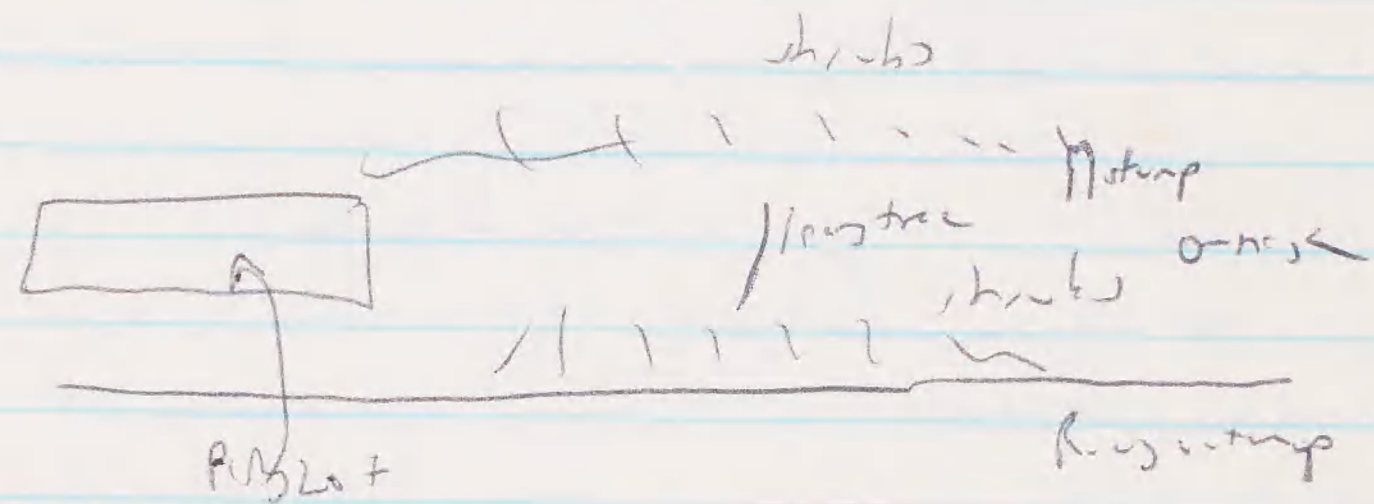
got legs with which it briefly  
held in feet - but mainly it  
handled in bill

I checked top of Mountain



Line found nearly completed

nest below blue trail



pair was in area (I had 1 song  
+ another bird chipping)



29 May (28 wu holiday) 1200-500

Nest with 5 eggs below Horse Trail  
still has 5 eggs

I checked territory below Blue Trail  
I saw ~~for~~ bird flash up from ground -  
but didn't find nest.  
had 8 sing once

in dense thicket was busy

of white trail I had WEW chipping

checked slope above parking lot &

pair came out - ♂ 16 gl 10' in oak x 3 ✓  
got moth

30 May 1230-500

checked lowest slope near stone  
bridge & home flushed wew off  
nest with 2 incubated eggs - nest  
was on slope ~~not~~ under semi-woolbed  
blueberry plant

We checked Horse trail slope &  
found nothing

I checked slope below Prairie  
area & above circle &  
had chipping at Hemlock near  
circle - above that ♂ was  
singing alternate songs - chip chip chip  
sweet-sweet-sweet - then then  
then - while flying in oak (16 gl x 2) ✓  
laurel (Oak closer peer x 1) & Oak -  
16 gl & 16 lg - 4''



30 may

Live insect (arrow)

Windy  
PC

Shrub

1cm

1 3mm piller 1b 50

1 50

2 - 0

2 50

3 3mm lat 2y 1b 50

3 50

4 2mm lat 1b 50

4 50

5 0

5 50

6 50

6 50

7 1mm 1b 50

7 50

8 50

8 50

9 50

9 50

10 50

10 50

11 50 4mm piller 1b 50

11 50

12 50

12 50

13 50

13 50

14 50

14 50

15 50

15 50

16 50

16 50

17 50

17 50

18 50

18 50

19 50

19 50

20 50

20 50

21 50

21 50

22 50

22 50

23 50

23 50

24 50 flooded with photo

25 50

26 50

27 50

28 50

29 50

30 50

1/4



May 29 Dead Leaves

- 3mm opilionid
- 7mm weevil
- 6mm opilionid
- 3mm spider
- 7mm spider + eggs
- 3mm opilionid
- 4mm spider

1/3

31 May

checked lower slope by turn-out  
a Line found nest with 2 weevils  
+ 2 small bird eggs.

checked nest across from brick -  
still to C. Brown & empty  
nest near upper porch lot was  
still empty



June 1 1130-530

Worked low slope below  
white trail - had nothing!

June 3 1230-530

I checked nests at 830  
with Judy - lowest nest with  
rowbirds had 1 cold CB egg.

2nd nest had 2 (1 1/2 - 2) dy old wren  
& 2 cowbird babies, chick 7 offed.

Full egg nest had 1 cowbird egg in it.

empty nest was collected later by Lenn.

in Afternoon I covered slope  
below Horse Trail (had some chips  
at fir end)

Per slope above white trail (♂ sing  
briefly had ♀ ? chip)

2 ♂s at singing on white  
trail.

Lenn saw excited ♀ near  
Hairy woodpecker nest below  
white trail.

1111/2



4 June insect count		Leaf	Flower	
1	50	50	50	50
2	50 3mm spider	50		50
3	50 4mm moth	50		
4	50	50		
5	50	50		
6	50	50		
7	50	50		
8	50	50		
9	50 3mm spider	50		
10	50	50		
11	50	50		
12	50	50		
13	50	50		
14	50 3mm spider	50		
15	50	50		
16	50 3mm spider	50		
17	50	50		
18	50 3mm spider	50		
19	50	50		
20	50			
21	50			
22	50			
23	50			
24	50			
25	50			
26	50			
27	50			
28	50 3mm moth			



6 June - sunny, warm 1130-1430

check slope near "cannon" where  
 Liane heard chirping - on bank  
 in dense forest by road L  
 found nest - 2 coucal + 1 warbler egg  
 size of guy to rest + 3 sun. briefly  
 of 16 gls x 3 + pink DL on leaf ✓  
 25-30'

7 then checked slope above  
 blueberry thicket & briefly at a  
 ♂ sing. + went below path lot  
 in dense forest + low roosting -  
 I found a this-year unusual  
 nest - 1st of Blue + House Wren  
 under blue-berry shrub.

Below path lot on slope L  
 found a bird (q?) feels like 5-10'  
 in forest (16 gls 23, pink skin x 5). ✓  
 got on pillar + ate on ground.

6 June insect census - sunny warm 1320

Shrub	Time	Notes
1	10m	1 ♂
2	50	2 ♂
3	80	3 ♂
4	2m	4 ♂
5	3m	5 ♂
6	2x 3m	6 ♂
7	50	7 ♂
8	80	8 ♂
9	80	9 ♂
10	80	10 ♂
11	80	11 ♂
12	80	12 ♂
13	80	13 ♂
14	80	14 ♂
15	80	15 ♂
16	80	16 ♂
17	80	17 ♂
18	80	18 ♂
19	80	19 ♂
20	80	20 ♂
21	50	21 ♂
22	50	22 ♂
23	80	23 ♂
24	80	24 ♂
25	80	25 ♂
26	80	26 ♂
27	80	27 ♂



8 June insect counts

1 @	1 @
2 @	2 @
3 @	3 @
4 @ 7mm long br 1p	4 @
5 @	5 @
6 @	6 @
7 @	7 @
8 @	8 @
9 @ 4mm spic 3mm moth 1p	9 @
10 @	10 @
11 @	11 @
12 @ 4mm spic 4mm moth 1p	12 @
13 @	13 @ 7mm spic
14 @ 2x 3mm spic 2mm	14 @
15 @ 3mm moth 1p	15 @
16 @ 2mm sp. 1p	16 @
17 @	17 @
18 @ - 2mm black pill 1p	18 @
19 @	19 @
20 @	20 @
21 @	
22 @	
23 @	
24 @ 1cm grey beetle 1p	
25 @ 3mm sp. beetle 1p	
26 @	
27 @	
28 @ 2cm white moth 1p	

29 @  
30 @

845-000

8 June - Sunny Hot - checked slope below parking lot + found fork-nosed nest - no one around.

I checked slope below Horse Trail + hd 2 ♂ sing - 1 I collected leaves near parking lot + ♂ was sing there a well not with r-bird + warbler as had been eaten



June 9

930-1000

Next L. ... stand

W. ... 10-15" ...

black ... x 10

co. 1 ... x 5

co. 1 ... x 5

Dead ... 2

♂ ... white trail

W. ... - pr

♀ on trail at end of

Succatoga ...

... also ...

... 5

finally picked up ...

... fragment ...

1/2 ... to ...

place in trail - ...

♂ was ... following her

1 ... x 5 - + probe

blow ...

♀ ... 1 ... x 5

flour ... x 3

Today was ... by that

I checked nest with 2 eggs

on slope below white trail -

in hole 2 eggs - one had a hole

& the other was cold - I cracked

them + there was no sign of

an embryo - just yolk!

I checked nest I found

on slope below partly lot - empty

& I found another old nest

on that slope - I did see

a very ♂ & ♀ ...

about



June 7 Dead leaf insects

1cm elaterid

3mm spider

1/1

June 9 Dead leaf insects

1cm elaterid

4mm spider

1cm spider

4mm spider

3mm spider

3mm homop

1/4

June 5

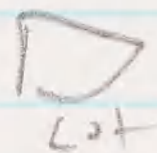
1/1

1.2cm lycid

June 9 (cont'd)

For other birds, see previous  
page

3 stars



+ j kedy

26. AB

8.14

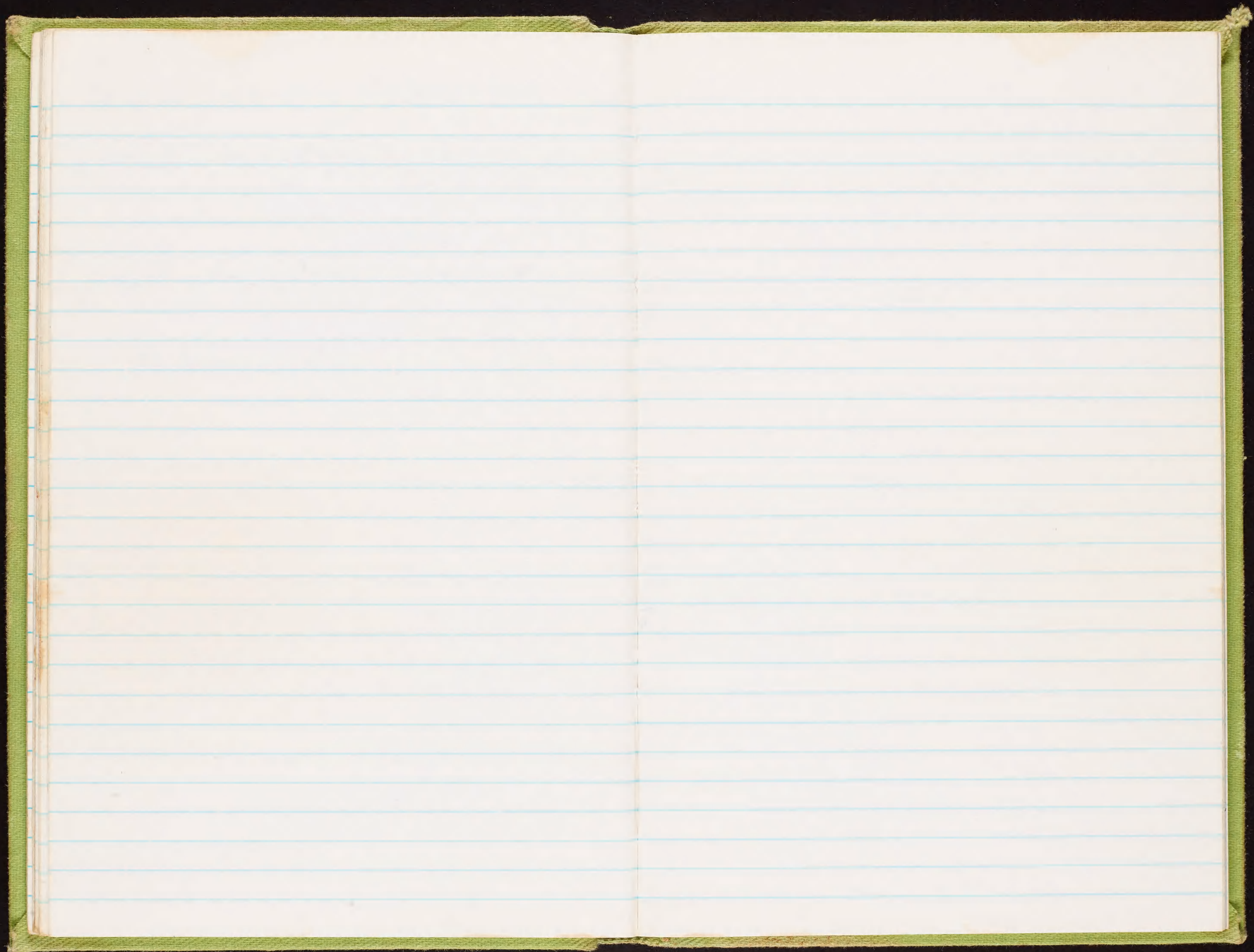


7 June (out at noon) 1130-4/00

checked lower slopes - had  
little warmer water. The checked  
slope below White-trail -  
3 birds sing in succession -  
seen him feed in forest 11:45 ✓

No babies yet!







June 11

1933 (USA)

I should have been looking  
at the top of the upper slope  
more to the right level yesterday.  
I have the top of the level that is  
the vertical down slope.  
I have the top base at the top  
of the upper level. I found a  
nest of 3 birds, 2 birds are in  
an eggshell. I followed with  
the birds to the top of the  
nest. That was the first "bird"  
of the day. I went down  
the slope to the top of the slope below.  
I found nothing. I had a  
time for the first at the top of  
the slope. I was going up  
the slope and down the slope.  
I found the first bird. I followed  
the first bird. I followed the first  
bird. I followed the first bird.  
I followed the first bird.



June 12 1030-1200

Went with house to Pin to  
see some where to find lots  
of chipping - got lost but  
in the place Blue trail  
dye along stream - 1/2  
chipping - 1/2 - Green spotted  
young fledgling in the water  
which is right.

Then to Pin went to the  
flat area where the white tail  
plant is with a tall &  
found nest with 2 just fledging  
birds - one <sup>up</sup> egg & a covered egg -  
so I set 3 1 day old fledgling today  
Nest was under Oak sapling

June 13 - stayed in



June 14 1030-1330

checked nest at slope  
above upper trail & found 1 baby  
chick, 2 eggs & 3 smaller  
eggs.

Put more m-thrills about  
check slope below p. by lot - none.  
then checked slope at end of  
white trail -

stung on trail, selecting  
dead leaves white ♂ lay out  
a leaf (Chalix) ~~10~~ pocket ✓  
dead leaf but cluster - got pillar off (found)  
row of rock 4 ft long  
found nest with broken  
pieces of leaves & q; seen  
quite selection

check area near where I  
p. h. r. - he of song - see  
no worms though

June 15 1030-1330

I checked slope below traffic  
circle 3 were chipped & song  
but no more than that. Saw Pine  
Weebler with old fledglings - 3 perched  
→ left dressed (brown) oak leaf = 20' in  
briefly checked slope above circle -  
chipping Sparrow with old fledgling.  
I went to area of Sessile  
when Monday I observed nest  
building & found nest with 3 eggs  
under ~~bleberry~~ <sup>10'</sup> from trail  
I checked Horse Trail slope &  
above trail found chipping q;  
it apparently landed on a nest  
placed under a log with 1 egg.  
act like the q with finches  
I found 2 eggs. Season of building & song

2 nests in area by

Hot Dean

6 song-bladder Acrobats  
- partly lot



June 16 - with Torre, Liane &

Don

cloudy & breezy

I checked 3 extent nests

1) at base of slope facing main road  
under laurel - 3 wren eggs

1 (cubid egg)

1 2 day old cubid



Liane found 2 new (4 day old fledgling) Liane  
"no cubid eggs"

2) in grassy slope - 3 eggs

3) under log by Horn Trail -  
1 egg

I put mothballs by all 3 nests

I walked slope below party lot -

halfway down slope I saw pr  
in laurel (♂ 1 hyl x 5, flower pink x 5 ✓  
♀ " " " ) ✓



17 - 25 June.

I failed to keep accurate notes on a daily basis during this period.  
I spent 3 hrs/day on 18, 19, 21, 22 & 24.

During this period the nest with 3 cowbirds & 3 warbler eggs failed to hatch more than the ~~one~~ cowbird.  
I looked at the eggs on the 22nd and found them without any sign of development or fertilization.

The 1st nest along Horse trail was observed on the 18 or 19th & I checked it on the 22 & found it to also be undeveloped so that 7/17 eggs found this year were known to be infertile.

I saw the following bird behavior

Slope near Pine creek ♂ - 0-4 (15' 16, 17)

pr on slope at base of red trail - several days after nest built, observed I saw pr together - low in underbrush - they stayed near me for 5-10 minutes - ♂ 16gl in brush x 17 ✓  
branch x 3 ✓

both 1-3' off ground  
12

I watched pair on lowest slope along rd - also close to ground ♂ 15' 1st 0-4 ✓

then  
♂-♀ 16gl in 0-4 (15-17) ✓  
x 20

I checked slope below Blue trail

on two days - had several

3♂ singing a lot.



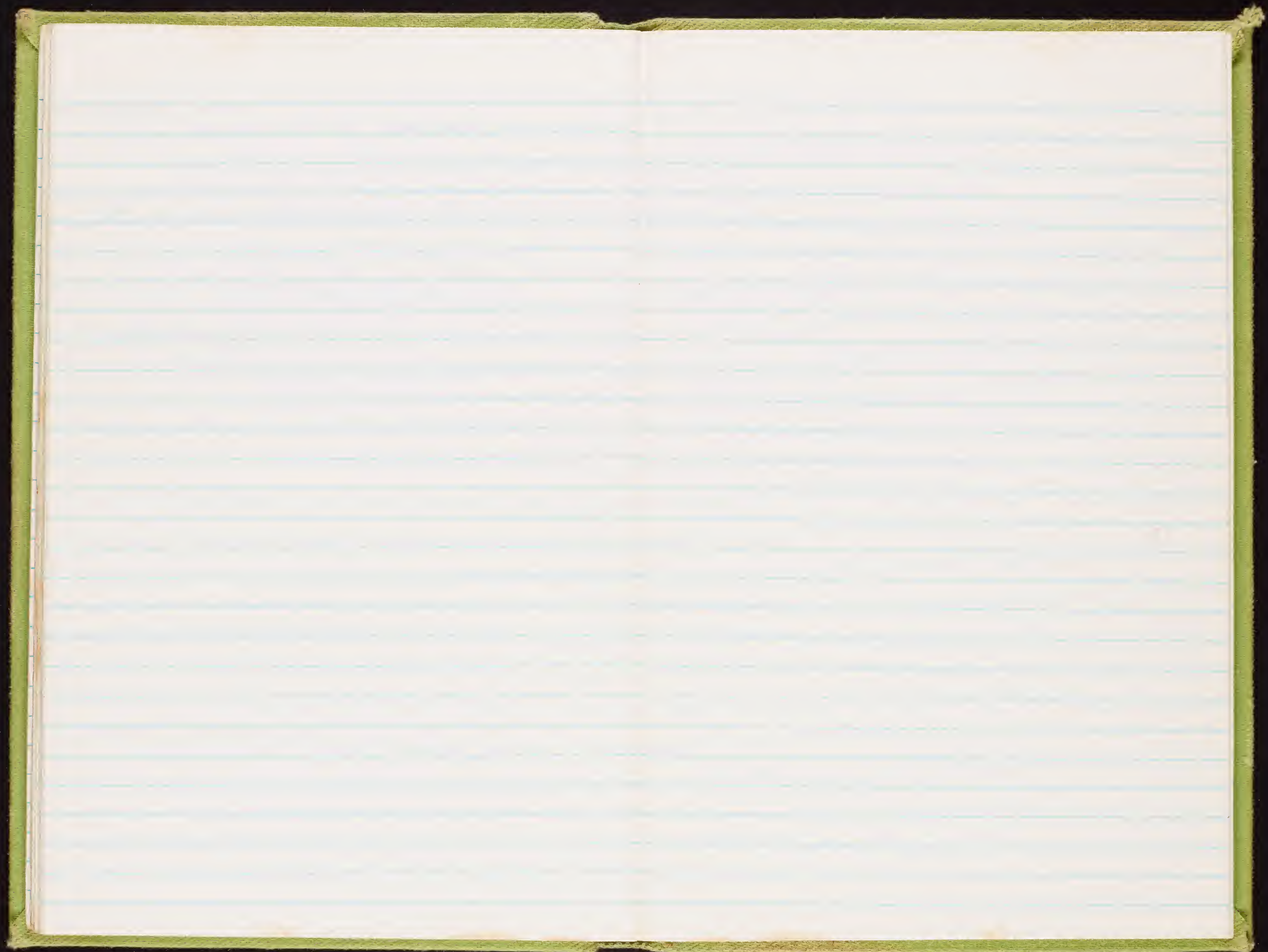
little chipping except in one sec.

On an oblique slope I

found an abandoned nest with

Blueberry.







[Faint, illegible handwriting on the left page]

[Faint, illegible handwriting on the right page]



Friday 26 June

checked nest below white trail -  
still two eggs.

I looked over slope at base  
of red trail - saw nothing but  
♂ briefly.

checked slope below pig lot  
saw pair king - flying (≈ 8-10  
d, old) LEU - high down  
fly, insect of some sort -

low - 0-5' high y/lz dec (not prob 3)  
♂/♀/ (10)  
16st in ~~Azotek~~ x 5. ✓  
✓

I checked slope above circle &  
saw red ♂ briefly

Thursday  
June 28

1930-130

checked nest in S-s-s-fra stand  
below white trail - 2 10 or so day  
old nestlings & a cowbird nestling -  
apparently the tiger warbler egg was  
really a cowbird egg - I dealt  
with the cowbird.

I briefly watched slope at  
beginning, at red trail & saw nothing.  
At base of white trail 2 ♂  
wintering, for a long period  
I saw 1 ♂ flying 0-10' up

✓ Oak-16st x 20  
brant x 2

Ore. lat. ch. x 5 (high v. 1) no success.

I worked over area behind pig lot  
with no success.

I made 2 decalif collections



7/2/84

live (ectoparas)  
upper parking lot

Shrub	lateral
1 00	1 50
2 00	2 00
3 00 aphids <u>3mm sp. 1b</u>	3 00
4 00	4 00 3mm sp. 1b
5 00	5 00
6 00	6 00
7 00 <u>3mm sp. 1b</u>	7 00 2mm sp. 1b
8 00	8 00 2mm black beetle
9 00	9 00
10 00 1cm br. beetle	10 50 1cm brown horn 1b
11 00 1cm sp. 1b	11 50
12 00 <u>4mm horn 1b</u>	12 50
13 00 1cm sp. 1b	13 00
14 00 <u>2cm br. 2 h. 1b</u>	14 50
15 00 <u>3mm horn 1b</u>	15 50
16 00	16 50 1cm beetle (hr) 1b
17 00	17 50
18 00	18 50
19 50 <u>2 x 3mm sp. 1b</u>	19 50
20 00 <u>3mm sp. 1b</u>	20 00
21 1cm sp. 1b	21 00
22 00 <u>3mm horn 1b</u>	22 00
23 00	23 00

24 do - aphids

25 00

26 00

27 00

28 00 3 x 3mm horn

29 00 7mm sp. 1b

30 00

31 00

32 00

33 00

34 00

35 00

36 00

37 00

38 00

39 00

40 00

41 00

42 00

43 00

44 00

45 00

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45



July Dead leaf sample # 1

collected 7/1

7mm lady beetle

5mm moth

7mm weevil (br)

5mm beetle (br)

2mm weevil

5mm moth

4mm spider

3mm spider

5mm beetle

7mm weevil

7mm weevil

5mm moth

0/5



Sample 2 7/1/81

5mm beetle hr  
 2mm weev.  
 2.1 1  
 " 1  
 5mm beetle

July 13 1100-

1 20<sup>hr</sup> (one leaf miner)  
 2 20  
 3 20  
 4 20 3mm beetle  
 5 20  
 6 20  
 7 20 2mm aphid  
 8 20 2mm beetle  
 9 20  
 10 20  
 11 20  
 12 20 2mm beetle  
 13 20 2 & 4mm aphid 1b  
 14 20  
 15 20 1.5cm c. lepid 1b  
 16 20  
 17 20 1cm hr honey 1b  
 18 20  
 19 20 1cm hr honey 1b  
 20 20 7mm spaw 1b  
 21 20 1cm beetle hr 1b  
 22 20 4mm beetle 1b  
 23 20 3cm thick gr plus 1b  
 24 20 3mm beetle  
 25 20 1cm gr. c. ant 1b

1 20 1cm honey 1b  
 2 20 2mm brown  
 3 20 pollin 1b  
 4 20 3mm pill 1b  
 5 20 1cm spaw  
 6 20 1cm long 1b  
 7 20  
 8 20  
 9 20 1cm gr 1b  
 10 20 3cm skin 1b  
 11 20 1cm pill 1b  
 12 20 1cm pill 1b  
 13 20  
 14 20  
 15 20  
 16 20  
 17 20  
 18 20  
 19 20  
 20 20



- 26 len hr beet lb - 7mm green crick  
 27 7mm green crick 1.2 len green crick lb  
 28 len hr honey lb  
 29 6mm green piller (thin) lb  
 30 7mm green crick, len green crick lb

- Line 1 left Sample 2 July 13  
 1 6mm honey 1.2  
 2 SV  
 3 3mm honey lb  
 4 SV 8mm thin piller 1.2  
 5 SV len green 1.2  
 6 SV 7mm green piller  
 7 6mm spear 1.2  
 8 SV ecting 1.2  
 9 SV 1.2  
 10 3mm green 1.2  
 11 7mm piller 1.2  
 12 4mm violet honey  
 13 len thin piller 1.2  
 14 SV 1.2  
 15 SV  
 16 7mm piller 1.2  
 17 4mm piller 1.2  
 18 SV  
 19 SV 6mm beetle 1.2  
 20 SV 6mm honey 1.2  
 21 SV 7mm violet, len piller 1.2  
 22 SV  
 23 SV  
 24 SV  
 25 SV  
 26 SV  
 27 SV  
 28 SV  
 29 SV  
 30 SV 7mm green piller 1.2



14 July Dred lower

1 #

7mm lady beetle

1.5 cm piller

7mm leucis

7mm lady beetle

8mm beetle

7mm lady beetle

3mm bug

1cm cletoid

4mm beetle

3mm beetle

1cm new. 1

7mm new. 1

4/4

# 2

5mm beetle

4mm spider

1.5 cm grub

1.2 cm f. + c. chet

7mm new. 1

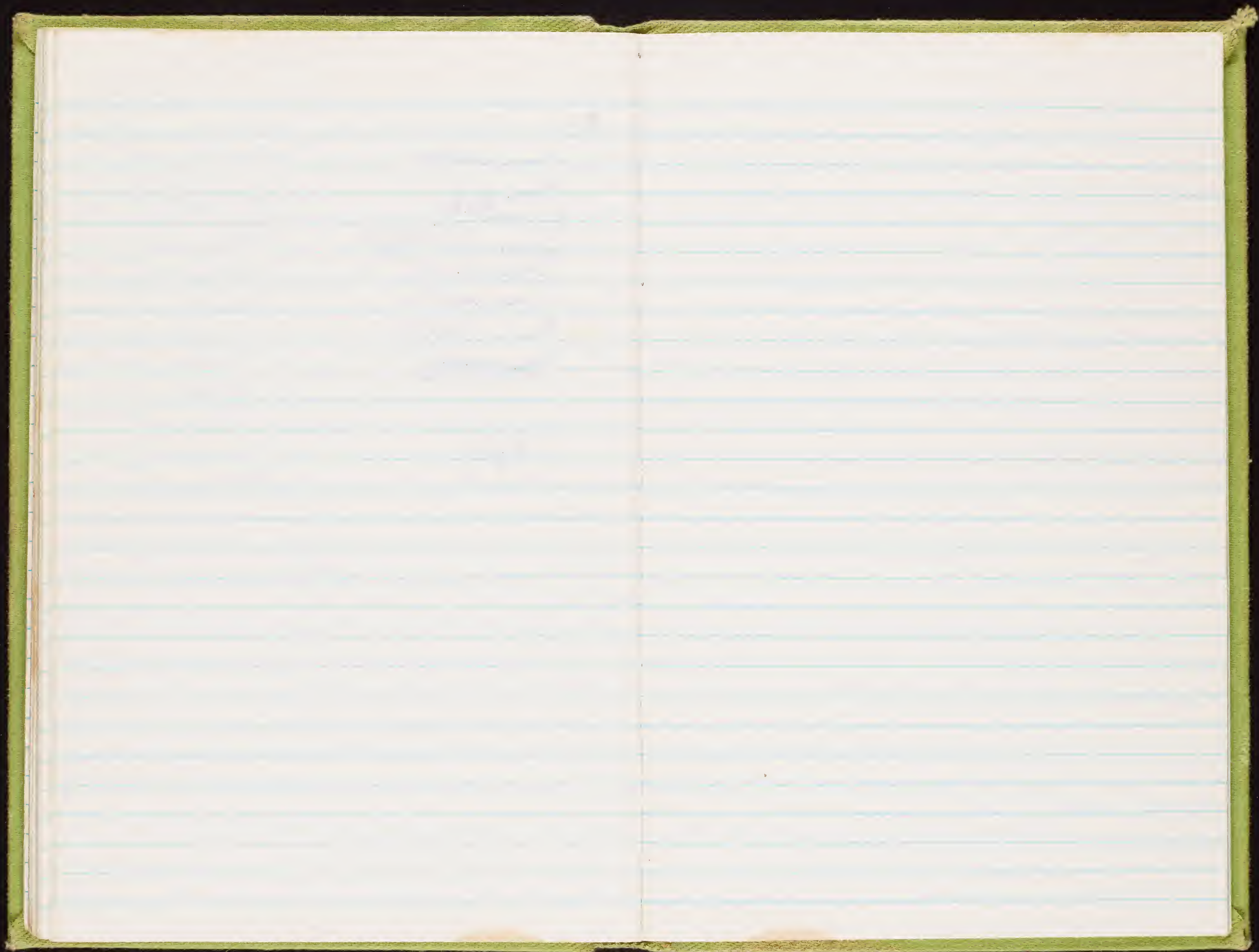
7mm beetle

2cm cletoid

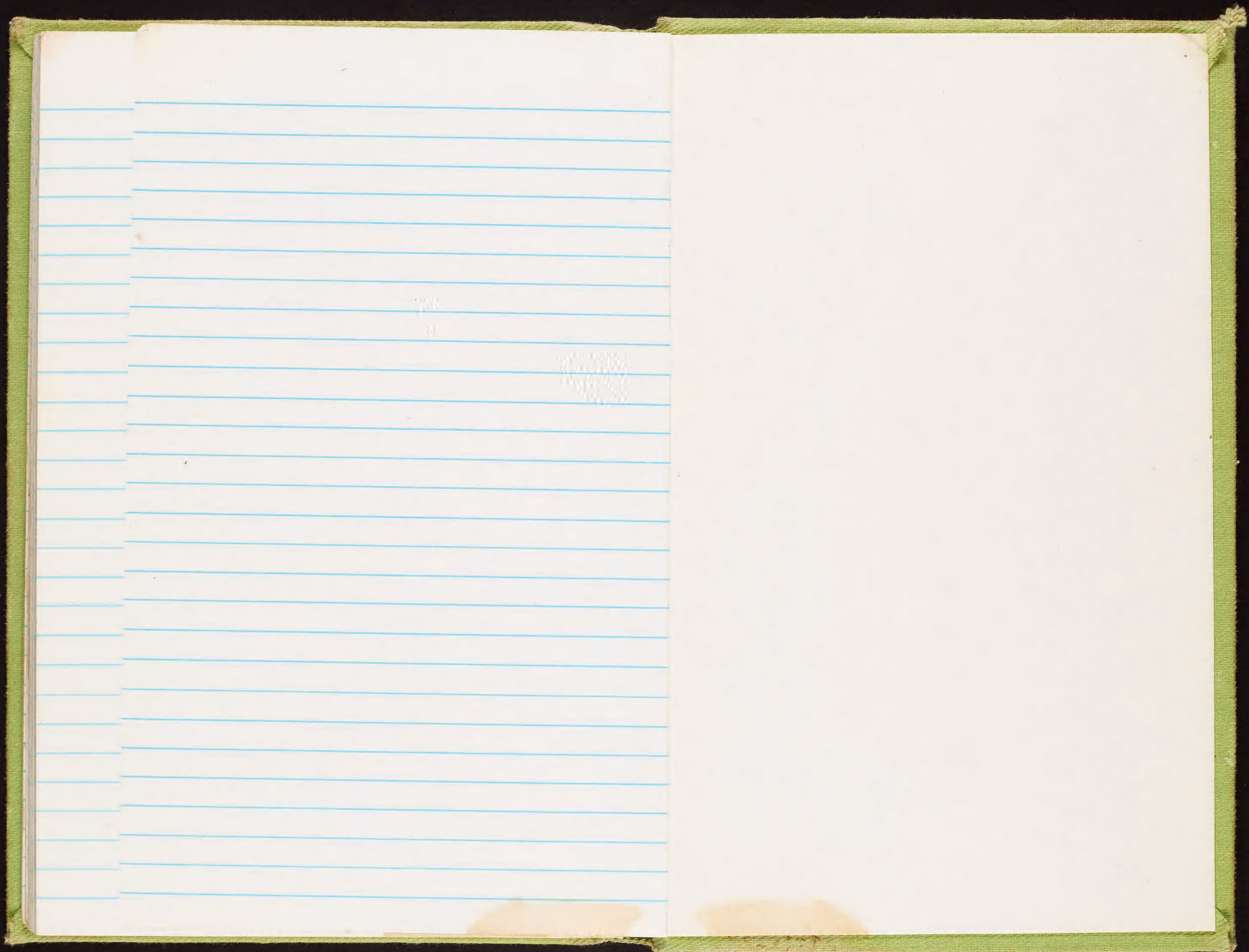
4mm spider

2/4











May Dead Leaves

B-3 total

1 10

0 11

1 4

0 3

~~20~~ <sup>.06</sup> ~~.5~~ <sup>.06</sup>

.05

pr

May Live Leaves

[0 4]

5 13

June 0 23  
1 41

Live

1 4

0 8

0 7

2 11

Dead

1 4

1 1

1 3

1 1

July

8 16

16 18

11 17

— —

0 5

0 0

2 4

4 4



